Release notes

9.3.2

February 21st, 2019

Men & Mice announces the release of Version 9.3.2 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue was fixed in the web application where the "Create" button above the lists was disabled if nothing was selected.
- An issue was fixed where it was not possible to create a DNS entry on an AD integrated DNS zone.
- An issue was fixed where Men&Mice Central could crash in certain circumstances.
- An issue was fixed where re-adding a DHCP pool would return an error indicating an already existing pool.
- An issue was fixed in the web application where it was not possible to create a DHCP reservation.
- An issue was fixed where utilization and number of free addresses were not shown initially for DHCP scopes that were synced externally.
- An issue was fixed in the web application where the Import task would not handle importing from a CSV file.
- An issue was fixed where the REST API call for GetAvailableAddressBlocks for an IPv6 address range would not work as expected.
- An issue was fixed in the web application where importing IP address ranges could fail with an error "Unknown element: iscontainer".
- An issue was fixed where a race condition could lead to a DHCP scope on a MS DHCP having two address pools.
- An issue was fixed in the web application where the report preview window could get into an always busy state.
- An issue was fixed in the web application where the column configuration drop down for the Networks / DNS list would not be entirely visible when the screen height was not high enough.
- An issue was fixed where the xDNS creation wizard could end up in an abnormal state.
- An issue was fixed in the web application where editing SOA for multiple DNS zones would not be handled properly.

Improvements

- Various UI/UX improvements in the web application.
- Various performance and stability enhancements.

9.3.1

January 24th, 2019

Men & Mice announces the release of Version 9.3.1 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue was fixed in the web application where DNS zones hosted on the Akamai Fast DNS cloud provider were not properly handled.
- An issue was fixed where Men&Mice Central could crash due to mishandling of DNSSEC related records.

9.3.0

January 16th, 2020

Men&Mice announces the release of Version 9.3 of the Men&Mice Suite.

This version will be supported for 2 years or until January 16th, 2022.

Please note that all upcoming major releases are supported for 2 years.

End-of-Life Announcements

- As of version 9.3.0 of the Web Application, Internet Explorer is not supported. In the case of trying to log in to the Web Applications using IE, the user will be redirected to the older version of the Web Interface. For more details, see Discontinuation of support for Internet Explorer.

- Support for Solaris in the Men&Mice Suite will be deprecated in version 9.4.0 of the Men&Mice Suite.
- Version 8.3 of the Men&Mice Suite is no longer supported as of January 11th 2020.
- On January 14, 2020, Microsoft ended its support for Windows server 2008 and 2008 R2 and therefore support for those server types will be deprecated in future versions of the Men&Mice Suite.

New Features and Improvements

Web Application

- Support was added to manage DHCP scope options.
- Master server lists for slave zones can be managed.
- It is now possible to view non MAC address client identifiers as ASCII.
- It is now possible to type an IP address into the quick filter for Networks and instantly get the range/scope that contains that IP address.
- The usability of the quick filter was improved.
- TTL shorthand notation is now supported when working with TTL for DNS records.
- DHCP scopes can now be enabled and disabled.
- Support was added for importing DNS hosts along with IPAM data.
- Dynamic DNS zones are now indicated in the list view of DNS zones.
- It is now possible to migrate DNS zones between DNS servers and services.
- Session management and login were improved.
- Improvements were done on viewing the Web Application on mobile screens.
- User can now get various details for an IP address when creating and editing A records in a DNS zone.
- User can now more easily find the next free IP address when creating A records in a DNS zone.
- The usability when working with CNAME records in the Web Application has been improved.
- An administrator can now specify a fixed server name to be used in the login window for the Web Application.
- It is now possible to switch between address spaces in the Web Application.
- The Web Application is now automatically updated with other components of the Men&Mice Suite.
- Management of NAPTR records has been improved.
- It is now possible to add/remove items (DNS zones, networks) to pre-defined folders in the system.
- The inspector on the right hand side in the Web Application is now resizeable and more usable.
- Discovery schedule can now be set for networks as well as enabling/disabling discovery for a particular network.
- IP address ranges can now be converted to containers or DHCP scopes.
- DHCP scopes can now be converted to IP address ranges.
- Containers can now be converted to IP address ranges.
- Typeahead functionality has been added when creating DNS hosts for an IP address.
- Folders in the filtering sidebar are now presented as a collapsable tree.
- Information on which DHCP server is authoritative for a DHCP scope is now shown in the respective list along with the type of the DHCP scope.
- The import task for IP address ranges has been expanded to handle an import of devices and interfaces.
- The list of DNS zones now shows by default the master zones defined in the system.
- When deleting a DNS zone, it is now possible to select which zone instance is to be deleted.
- It is now possible to create a report on IP addresses and get IP addresses and the respective custom field as a result.
- In reporting, the report properties and management of scavenging was merged for better usability.
- In reporting, a separate page now exists for displaying all reports that belong to a particular report definition.
- DHCP pool information is now shown in the DHCP scope list.
- Performance of showing DNS zones or networks in the list was improved.
- Non-responding or disabled servers are not shown in the server list when adding DNS zones.
- Various accessibility improvements were done in order to be conforming to the Web Content Accessibility Guidelines 2.1.
- The active filter in the filtering sidebar is now a part of the URL in order to better maintain the filter when the page is refreshed.
- Improvements were done on displaying errors in case of login errors.
- It is now possible to specify a script that is run after a scheduled report run.
- A widget was added for specific fields to quickly switch between ASCII and HEX representation of the data in the field.

General improvements

- An issue was fixed where the state of services were not consistent between the UI and the API.
- Various improvements were done for the High Availability feature of the Men&Mice Suite.
- Rate-limiting for the NS1 cloud service is supported.
- Support for AD authentication from Linux has been added.
- The support for python 3 in the Linux installer for the Men&Mice Suite has been improved.
- Message severity is now being indicated in the logs for Men&Mice Central.
- The functionality when promoting a slave zone to a master zone has been improved.
- The functionality when migrating a DNS zone between DNS servers has been improved.
- Full support was added for Akamai's Fast DNS.
- Support was added for MS-SQL when running Men&Mice Central on Linux.
- The DHCP scope contents are now synchronized when opening the DHCP scope to ensure most accurate data being shown.
- Various security related enhancements.
- Various performance improving enhancements.
- Various improvements on High Availability.
- It is now possible to specify if empty resource groups in Azure are hidden or not under DNS views.

Bug Fixes

- An error was fixed where disabled zones would not be handled properly after an upgrade.
- An error was fixed where Men&Mice Central could crash in a specific case where user was sorting by DNS views in the Web Application.
- An error was fixed where the object type was being shown in the history for the Web Application instead of the type of the event being shown.
- An issue was fixed in the Web Application where reloading the list would lose the current selection in the list.
- An issue was fixed in the Web Application where an error stating "IP range not found" would be wrongly returned when deleting an IP range.
- An issue was fixed in the Web Application where creating a reservation would not prompt for a save comment.
- An issue was fixed where an extra zero was being shown for the "Lease expires" column in the UI's.
- An issue was fixed in the Web Application where creating a network would not properly handle IPv6 addresses.
- An issue was fixed where a deadlock could occur when splitting IP address ranges.
- An issue was fixed in the Web Application where creating a range would not refresh the list afterwards.
- An issue was fixed in the Web Application where form buttons were reversed in the wizards.
- An issue was fixed where the Management Console would not show inherited DHCP options in the case of both failover DHCP scopes being selected.
- An issue was fixed in the Web Application where the IP address report was not working as expected.
- An issue was fixed in the Web Application where under specific circumstances, a UNIQUE KEY CONSTRAINT error would be returned when opening an IP address.
- An issue was fixed in the Web Application where deleting a DNS zone would not properly handle DNS views.
- An issue was fixed in the Web Application where pool information in the create new network wizard would get reset to default.
- An issue was fixed in the Web Application where in the case of creating a reservation in a failover DHCP scope, only one reservation would be created.
- An issue was fixed in the Web Application where the quick command dialog would not close after an action was executed.
- An issue was fixed in the Web Application where it was not possible to create a PTR record that contained multiple labels.
- An issue was fixed in the Web Application where the default view name would not be rendered correctly.
- An issue was fixed in the Web Application where pressing enter on a selected row in the list could result in an error.
- An issue was fixed in the Web Application where validation errors for custom properties were not being shown when creating a DHCP scope.
- An issue was fixed in the Web Application where the access was not being properly handled for data in the inspector.
- An issue was fixed in the Web Application where entering an invalid user name when creating a new report would wrongly result in a validation error.
- An issue was fixed in the Web Application where creating a DNS zone would not reveal the DNS zone after creating if required.
- An issue was fixed in the Web Application where creating a report based on SOA DNS records would not work as expected.
- An issue was fixed in the Web Application where some discovery data was not being sent from Men&Mice Central which resulted in invisible columns containing discovery information.
- An issue was fixed in the Web Application where deleting a report result could lead to a toaster being shown referring to the report as "undefined".
- An issue was fixed in the Web Application where the number of items in the favorite filter was incorrect.
- An issue was fixed in the Web Application where usage of the quick filter would reset the configuration of visible columns in the list.
- An issue was fixed in the Web Application where deleting a report and then deleting another report afterwards would result in a message indicating you are deleting two reports.
- An issue was fixed in the Web Application where opening a DHCP scope and using the quick filter would render the Web Application unusable.
- An issue was fixed in the Web Application where creating a report based on access would require an additional backslash when working with AD users.
- An issue was fixed in the Web Application where an IPv6 address would not be displayed in the quick command results if the IPv6 address was contained in the root range.
- An issue was fixed in the Web Application where an IPv6 address could not be revealed as expected.
- An issue was fixed in the Web Application where creating a DNS record would not respect the default TTL value, but always show 1D for the TTL value.
- An issue was fixed where the DHCP pool utilization could in specific circumstances be higher than 100%.
- An issue was fixed where a limit on the NS1 cloud service prevented a successful sync of DNS records between NS1 and Men&Mice Suite.
- An issue was fixed where the proxy functionality for AWS cloud services was not working as expected when adding a new AWS cloud service.
- An issue was fixed where the Men&Mice Central service could crash under the circumstances where the SQLite database was locked.
- An issue was fixed in the support for ISC DHCP where in some cases specific keywords for leases would not be recognized.
- An issue was fixed where the performance of ping in the system would not be as expected.
- An issue was fixed where SNMP monitoring on the Men&Mice Appliances was not working as expected after an upgrade.
- An issue was fixed where a check for duplicate DNS record names was wrongly case sensitive.
- An issue was fixed where an error was wrongly being displayed when creating reservations inside DHCP pools on the ISC DHCP server.
- An issue was fixed where deleting an NAPTR record could in some cases fail.
- An issue was fixed where the GetIPAMRecords API command for an array of IPs would not return DHCP related data.
- An issue was fixed where adding a DNS zone to an xDNS group could fail and would not be handled properly.
- An issue was fixed where migrating a DNS zone would not properly handle a hidden master.
- An issue was fixed where an external promotion of a DNS zone from slave to master was not being detected in the Men&Mice Suite.
- An issue was fixed where the Generic DNS controller did not properly manage DNSServerSubtype.
- An issue was fixed where disabled DNS zones were not being managed properly after changing the name of the DNS server.
- An issue was fixed where creating an xDNS group could result in an error which stated "Object reference provided is not a valid zone

reference".

- An issue was fixed where adding a DNS zone to an xDNS group could result in an exception.
- An issue was fixed where synchronizing cloud data could result in an error caused by missing parameters.
- An issue was fixed where it was not possible to re-sync DNS zones in an xDNS group when they were reported out of sync.
- An issue was fixed where leases in the state Free or Backup on the ISC DHCP server were being displayed as Leased or Inactive.
- An issue was fixed where migrating master DNS zones would not correctly update the slave DNS servers.
- An issue was fixed where migrating DNS zones to Akamai's Fast DNS could result in an exception, preventing the migration.
- An issue was fixed where migrating a DNS zone from a cloud provider could result in an error being shown indicating that the DNS zone was not found.
- An issue was fixed where Men&Mice Central could crash in certain circumstances when processing errors from a cloud provider.
- An issue was fixed where changing the name of a DHCP scope could result in an error stating that the DHCP server was not found.
- An issue was fixed where newly created IP address ranges did not have the usage calculated correctly for previous claimed IP addresses.
- An issue was fixed where it was possible to add a DNS record which had the same data as an existing dynamic DNS record.
- An issue was fixed where changes made to a failover partner DHCP scope were not synchronized properly.
- An issue was fixed where adding a slave server for a master zone did not work as expected.
- An issue was fixed where DNS controller did not properly handle a BIND configuration which included "use-v4-udp-ports" / "use-v6-udp-ports" statements.
- An issue was fixed where the installer for the DNS controller did not properly handle a BIND configuration which included "use-v4-udp-ports" / "use-v6-udp-ports" statements.
- An issue was fixed where Men&Mice Central could crash due to incorrect error handling when updating DNS zones.
- An issue was fixed where creating a DHCP scope in the Management Console could result in error when selecting AD site in the wizard.
- An issue was fixed where the installer for the Web Application erroneously removed the preferences.cfg file during an upgrade.
- An issue was fixed where one user could delete a DNS record, while another user edited the same record without a clear error message.
- An issue was fixed where updating a DNS zone could result in concurrency issues.
- An issue was fixed where the GetDNSZoneOptions API command did not return the masters IP address list for Forward DNS zones for Windows DNS servers.
- An issue was fixed where reloading a DNS zone in a view using rndc could fail due to mishandled casings of the view name.
- An issue was fixed where an exception was thrown when deleting/modifying A records on claimed addresses.
- An issue was fixed where non MAC address clientIdentifiers would be formatted as MAC addresses in the Management Console.
- An issue was fixed where empty custom properties were not being handled properly.
- An issue was fixed where duplicate cloud accounts along with duplicate data would be added under certain circumstances.
- An issue was fixed where it was not possible to open DHCP scopes which resulted in a "DNS Server not found" error message.

Appliances

- BIND on the Men&Mice appliances was upgraded due to the CVE-2019-6477 vulnerability.
- BIND on the Men&Mice appliances was upgraded due to the CVE-2019-6471 vulnerability.
- BIND on the Men&Mice appliances was upgraded due to the CVE-2018-5743 vulnerability.
- ISC DHCP on the Men&Mice appliances was upgraded to 4.4.1.

9.2.7

January 24th, 2019

Men & Mice announces the release of Version 9.2.7 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue was fixed in the web application where DNS zones hosted on the Akamai Fast DNS cloud provider were not properly handled.
- An issue was fixed where Men&Mice Central could crash due to mishandling of DNSSEC related records.
- An issue was fixed which prevented a proxy to be properly used for AWS cloud services.
- An issue was fixed in the Web Application where a save comment would not be prompted for when adding or editing a reservation.

9.2.6

December 17th, 2019

Men & Mice announces the release of Version 9.2.6 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Appliances

- ISC DHCP on the DDI appliance to 4.4.1
- BIND on the Men&Mice appliances was upgraded due to the CVE-2019-6477 vulnerability

Improvements / New features

- DNS hosts support was added to the import task in the Web Application
- The cloud support for NS1 now supports rate limiting
- Add support for HMAC-SHA256/512 in rndc
- It is now possible to specify if empty resource groups are hidden or not under DNS views
- The functionality when promoting a slave zone to a master zone has been improved
- The functionality when migrating a DNS zone between DNS servers has been improved.
- Record pagination has been implemented for syncing with the NS1 cloud service which improves performance and reliability
- Various improvements were done for the High Availability feature of the Men&Mice Suite

Bug fixes

- An issue was fixed where the Management Console would not show inherited DHCP options in the case of both failover DHCP scopes being selected.
- An issue was fixed where the GetIPAMRecords API command for an array of IPs would not return DHCP related data.
- An issue was fixed where the Generic DNS controller did not properly manage DNSServerSubtype.
- An issue was fixed in the web application where usage of the quickfilter would reset the configuration of visible columns in the list.
- An error was fixed where Men & Mice Central could crash in a specific case where user was sorting by DNS views in the Web Application
- An issue was fixed where the GetDNSZoneOptions API command did not return the masters IP address list for Forward DNS zones for Windows DNS servers.
- An issue was fixed where it was not possible to open DHCP scopes which resulted in a "DNS Server not found" error message
- An issue was fixed where one user could delete a DNS record, while another user edited the same record without a clear error message.
- An issue was fixed in the web application where the IP address report was not working as expected
- An issue was fixed where an extra zero was being shown for the "Lease expires" column in the UI's
- An issue was fixed where leases in the state Free or Backup on the ISC DHCP server were being displayed as Leased or inactive.
- An issue was fixed where it was not possible to re-sync DNS zones in an xDNS group when they were reported out of sync.
- An error was fixed where disabled zones would not be handled properly after an upgrade.
- An issue was fixed where reloading a DNS zone in a view using RNDC could fail due to mishandled casings of the view name.
- An issue was fixed in the web application where the default view name would not be rendered correctly
- An issue was fixed where the AD Site inheritance was missingin IPAM range view in the management console.

9.2.5

October 25th, 2019

Men & Mice announces the release of Version 9.2.5 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- Akamai's Fast DNS stability and performance was improved.
- An issue was fixed where Men&Mice Central could crash when processing errors when creating a DNS zone.
- An issue was fixed where an account limit on NS1 accounts could prevent records to be shown.
- An issue was fixed in the Web Application where IE11 was not working as expected.
- An issue was fixed with the proxy configuration for AWS.
- An issue was fixed where Men&Mice Central would crash in specific cases where the SQLite database was locked.
- An issue was fixed where deleting a DNS zone on Dyn would result in an error.
- An issue was fixed where the claimed flag was being ignored.
- An issue was fixed where SNMP monitoring for BIND on Men&Mice Appliances was not working as expected.
- An issue was fixed where the quick command in the Web Application was not properly handling IPv6 addresses.
- An issue was fixed where leases would not be shown in the Management Console in the case of synchronization fail for the scope.
- An issue was fixed where replicating a DHCP failover scope could result in the DHCP scope not being synchronized properly.
- An issus was fixed where disabled DNS zones were erroneously being removed from the zone list when editing the DNS server name.
- An issue was fixed for the GetDNSZoneOptions API command where additional data was wrongly being included.
- An issue was fixed for the session management of Dyn.
- An issue was fixed where AWS group policy formatting could prevent cloud accounts from being added.

Improvements

- It is no longer needed to manually maintain a list of zones for Akamai's Fast DNS. Akamai now offers a better API for Fast DNS which allows for better integration with the service.
- Performance for filtering was improved.
- Documentation for custom properties in the API was wrong and has been updated.
- Improvements were done on synchronizing the DHCP scope contents when opening a DHCP scope.

9.2.4

June 19th, 2019

Men & Mice announces the release of Version 9.2.4 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue was fixed where the installer for the Web Application wrongly removed preferences.cfg during an upgrade.
- An issue was fixed where it was not possible to create PTR records with multiple labels in the Web Application.
- An issue was fixed where adding a new zone to the Akamai list of zones in cloud services the new zone would not get synchronized properly.
- An issue was fixed where non MAC address clientIdentifiers would be formatted as MAC addresses

Appliances

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
    - CVE-2019-6471
- Multiple vulnerabilities, CVE-2019-11477, CVE-2019-11478 & CVE-2019-11479, were found in the Linux kernel that is used on the Men & Mice appliances.
  The software on the appliances has been updated to handle the vulnerabilities.

9.2.3

June 11th, 2019

Men & Mice announces the release of Version 9.2.3 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue was fixed where changing a DHCP server name could result in an unexpected error
- An issue was fixed where newly created ranges did not have usage calculated for previous claimed addresses
- An issue was fixed where an error "IP Range not found" would be displayed when creating reservations inside of ISC DHCP pools
- An issue was fixed where it was not possible to delete NAPTR records on the BIND DNS server
- An issue was fixed where error handling on zone updates was not handled properly
- An issue was fixed where cloud discovery would add duplicate accounts after an upgrade
- An issue was fixed where zones promoted from a slave to master was not being updated accordingly

Improvements

- High availability functionality was improved
- The importing feature for IP address ranges in the Web Application was improved
- Ability to sort by "Next run" and "Scheduled" for reports in the Web Application was added.
- Information on DHCP pools is now shown in the inspector of the Web Application
- A new report template has been added to the Web Application which allows to create a report on IP addresses and the respective custom fields

New features

- Support for LDAP authentication in the Men & Mice Suite has been added
- Support for SQL Server when Men & Mice Central is running on Linux has been added

9.2.2

April 24th, 2019

Men & Mice announces the release of Version 9.2.2 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
  - CVE-2018-5743

Improvements

- The TTL of the SOA record is now used as the default TTL when creating DNS records on NS1

9.2.1

March 20th, 2019

Men & Mice announces the release of Version 9.2.1 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue where Men & Mice Central would crash under very specific circumstances, was fixed
- An issue when adding a slave copy of a zone in the Management Console in an environment with a large number of DNS servers, was fixed
- An issue was fixed in the Web Application where new DNS records always had a TTL of 1D
- An issue was fixed in the Web Application where it would crash when applying certain quickfilters in DHCP scopes
- An issue where the DHCP Server Controller was unable to parse certain ISC DHCP configurations, was fixed

9.2.0

March 5th, 2019

Men & Mice announces the release of Version 9.2 of the Men & Mice Suite.

This version will be supported for 2 years or until March 5th, 2021.

Please note that all upcoming major releases are supported for 2 years.

New Features and Improvements

Web Application

New features have been added to the new Men & Mice Web Application, first released with v.9.1.

- Workflow module, see below
- Reporting module, see below
- It is now possible to import IPAM data
- The history for all objects is now available as a task
- Reporting management has been improved
- The usability of the Quick Command feature has been improved
- The usability of the filtering sidebar has been improved and active filters are better indicated
- Typeahead is now available in various places
- Save comments are now required when saving data in the web application
- When creating a network, the selected network is now populated in the wizard
- Thread safety of exceptions was improved
- Various improvements regarding user experience

- Various improvements regarding look and feel
- It is now better indicated when a filter is active in the Web Application
- It is now more easy to manage date and time in various places
- The quick command now better indicates the instance of a zone
- Better management of multiline TXT records
- DHCP pools are now being indicated more clearly.
- Quickfilter usability was improved
- It is now possible to properly copy data from the grid
- Vendor information is now shown for IP addresses in the inspector
- Hierarchical custom properties are now supported
- The "create network" wizard's usability was improved
- Support was added to create DHCP scopes on ISC DHCP, Kea and Cisco DHCP servers
- User experience for the network tree view was improved
- The MAC address field in the Create reservation window is now populated with the last known MAC address

New Workflow module

The workflow modules allows you to handle the management of DNS changes as requests which can be approved or rejected. The requests can also be scheduled. For more information, see Workflow Management.

New Reporting module

A new reporting module is now being introduced. For further information, see Reports Management.

Various features have been added as well as general enhancements.

- It is now possible to scavenge reports
- It is now possible to schedule reports to be generated
- It is now possible to save reporting definitions
- List of saved reports are shown in the inspector for reporting

Multiple account support for Cloud services

It is possible to connect the Men & Mice Suite to multiple AWS accounts using single credentials. See Configuring and AWS multi-account for more information

Azure Marketplace

- The Men & Mice Suite is now available in the Azure Marketplace. For more information, see Men and Mice in Azure Marketplace.

Improvements

- Optimisations were done regarding time outs when communicating with cloud services
- Handling of RPC connections was improved
- Various performance enhancements
- The TTL of the SOA record is now used as the default TTL when creating DNS records in Akamai's Fast DNS
- The new trust anchor for the root zone is now added if any trust anchors are defined on the Caching appliance
- BIND running on the DNS & DHCP Appliance now runs version 9.11.5-P4

Bug Fixes

- An issue was fixed where mmxmlint component could crash in specific circumstances
- An issue was fixed where a deadlock could occur when calling the AddRange API command
- An issue was fixed on the Men & Mice appliances which prevented the web server to start up correctly
- An issue was fixed where not all active leases on an ISC DHCP server would be parsed correctly
- An issue was fixed where users wrongly needed access to delete a range to delete IP addresses within the range
- An issue where Men & Mice Central would crash under very specific circumstances, was fixed
- An issue was fixed where in certain circumstances during a DHCP synchronization, a deadlock could occur
- An issue where the DHCP Controller would get an error about The RPC server being unavailable, was fixed
- A performance issue was fixed on the Men & Mice Caching appliance
- An issue was fixed where subnet discovery would always update the default address space and not the expected address space
- An issue was fixed where not all regions in an AWS account were not being listed when creating a cloud network
- An issue, where Men & Mice Central would crash in case of communicating with cloud services, was fixed
- An issue was fixed where editing a reservation on a Cisco DHCP server could in specific circumstances crash the DNS controller
- An issue was fixed where in certain cases DHCP reservations would not get purged when expected.
- An issue was fixed where changing zone options for forward zones on window server 2016 would always return an error
- An issue was fixed for the Men & Mice Web services installer where it would not correctly handle specific properties of the init scripts on RHEL 6.8
- An issue was fixed for the GetDNSRecords SOAP command where it was not possible to have a nillable targetRef

- An issue was fixed with authentication on the Web application where in the case of a failed login, an external authentication dialog would be shown.
- An issue was fixed where in some cases for xDNS zones, an additional record would be created
- An issue was fixed on the Men & Mice appliances regarding SNMP trap behavior
- An issue was fixed with the Web application installer where it would in some cases not uninstall properly
- An issue was fixed where disabled DHCP scoped where not being shown as disabled
- An issue was fixed for the DNS Remote installer where the parsing of the configuration would fail in case of server statements containing a TSIG key
- An issue was fixed where converting a range to a container would not be persisted correctly to the database
- An issue was fixed where it was not possible to create A records that had the same name as the DNS zone for AD integrated zones
- An issue was fixed where a user could select an option to sign a DNS zone on BIND while the option should have only been available for Windows DNS servers
- An issue was fixed in the installer for the Web Application where the installation could fail in specific circumstances
- An issue was fixed in the Web Application where the selection would jump around when changing options in drop downs
- An issue was fixed in the Web Application where the sidebar filter would be cleared when the filter sidebar was collapsed
- An issue was fixed in the Web Application where the quickfilter for values in the AD Site column was not working as expected
- An issue was fixed in the Web Application where some mandatory custom fields were not being marked properly as mandatory
- An issue was fixed in the Web Application where the filtering sidebar would not expand properly when certain items were selected
- An issue was fixed in the Web Application where the 0.0.0.0/24 subnet was being wrongly indicated as invalid
- An issue was fixed in the Web Application where in some cases the last know MAC address was not being shown
- An issue was fixed in the Web Application where editing a SOA record from the inspector was not being handled properly
- An issue was fixed in the Web Application where checkboxes did not work as expected for multiple selections
- An issue was fixed in the Web Application where revealing a record did not work as expected
- An issue was fixed in the Web Application where it was not possible to have a blank CNAME target
- An issue was fixed in the Web Application where an error could occur when running the IP reconciliation report
- An issue was fixed in the Web Application where an unexpected error could appear during login
- An issue was fixed in the Web Interface where the page would not load properly in Internet Explorer 11
- An issue was fixed in the Web Interface where DNS records would not be shown in the IP address properties as expected
- An issue was fixed in the Web Application where running the installer without the correct parameters would result in a wrong message being displayed
- An issue was fixed in the Web Application where the related DNS data was not being displayed properly on Internet Explorer 11
- An issue was fixed in the Web Application where leased IP addresses would wrongly show up as free
- An issue was fixed in the Web Application where creating a DHCP scope would return an error, but the DHCP scope would be created

9.1.12

June 25th, 2019

Men & Mice announces the release of Version 9.1.12 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Improvements

- The performance of filtering for devices was improved

Appliances

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
  - CVE-2019-6471
- Multiple vulnerabilities, CVE-2019-11477, CVE-2019-11478 & CVE-2019-11479, were found in the Linux kernel that is used on the Men & Mice appliances.
  The software on the appliances has been updated to handle the vulnerabilities.

9.1.11

April 24th, 2019

Men & Mice announces the release of Version 9.1.11 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
    - CVE-2018-5743

Improvements

- The TTL of the SOA record is now used as the default TTL when creating DNS records on NS1

9.1.10

February 20th, 2019

Men & Mice announces the release of Version 9.1.10 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
    - CVE-2018-5744
    - CVE-2018-5745
    - CVE-2019-6465

Improvements

- The installer for the Web Application was improved such that it better handles an existing installation of the previous Web Interface

9.1.9

January 18th, 2019

Men & Mice announces the release of Version 9.1.9 of the Men & Mice Suite.

This is a maintenance release containing a single improvement.

Improvements

- Akamai has deprecated support for TLS 1.0 for Fast DNS and currently requires TLS 1.2 to be used. Consequently, the Men & Mice Suite now uses TLS 1.2 when communicating with Akamai Fast DNS securely.

9.1.8

December 17th, 2018

Men & Mice announces the release of Version 9.1.8 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue was fixed where a deadlock could occur when calling the AddRange API command
- An issue was fixed on the Men & Mice appliances which prevented the web server to start up correctly
- An issue was fixed where the old Men & Mice Web interface would not work correctly on IE 11
- An issue was fixed where running specific reports in the new web application could have unexpected performance impact on Men & Mice Central
- An issue was fixed where subnet discovery would always update the default address space and not the expected address space
- An issue was fixed where disabled DHCP scoped where not being shown as disabled
- An issue was fixed where converting a range to a container would not be persisted correctly to the database
- An issue was fixed for the DNS Remote installer where the parsing of the configuration would fail in case of server statements containing

a TSIG key
- An issue was fixed for the Men & Mice Web services installer where it would not correctly handle specific properties of the init scripts on RHEL 6.8

Improvements

- Thread safety of exceptions was improved
- Logging from Men & Mice Central was improved
- Various performance enhancements

9.1.7

November 7th, 2018

Men & Mice announces the release of Version 9.1.7 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue was fixed where not all active leases on an ISC DHCP server would be parsed correctly
- An issue was fixed where in certain circumstances during a DHCP synchronization, a deadlock could occur
- An issue was fixed where in certain cases DHCP reservations would not get purged when expected.
- An issue was fixed where a user could select an option to sign a DNS zone on BIND while the option should have only been available for Windows DNS servers
- An issue was fixed where users wrongly needed access to delete a range to delete IP addresses within the range
- An issue was fixed in the older web interface which prevented users to view subnets in a hierarchical view

Improvements

- Documentation was updated for the REST API. It was wrongly indicated for Range PropertyDefinition that "ref" would be a required field

9.1.6

October 23rd, 2018

Men & Mice announces the release of Version 9.1.6 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue where Men & Mice Central would crash under very specific circumstances, was fixed
- An issue where the DHCP Controller would get an error about The RPC server being unavailable, was fixed
- An issue, where Men & Mice Central would crash in case of communicating with cloud services, was fixed
- An issue, when running an IP reconciliation report in the web application, was fixed

Improvements

- The new trust anchor for the root zone is now added if any trust anchors are defined on the Caching appliance
- Various other improvements

9.1.5

September 28th, 2018

Men & Mice announces the release of Version 9.1.5 of the Men & Mice Suite.

This is a maintenance release containing a single fix for the Men & Mice Appliances

Bug fixes

- A performance issue was fixed on the Men & Mice Caching appliance

9.1.4

September 20th, 2018

Men & Mice announces the release of Version 9.1.4 of the Men & Mice Suite.

This is a maintenance release containing a 3rd party issue on the Men & Mice Caching Appliances.

Issues

- The DNS server on the Caching Appliance was upgraded due to an issue in Unbound regarding ability to manage the root keys in the previous version. A KSK key rollover is scheduled for the root zone on the 11th of October 2018 and before, unbound must be able to manage the trust anchors automatically.

  All Caching appliance users that are running versions 9.1 are encouraged to upgrade to version 9.1.4.

9.1.3

September 4th, 2018

Men & Mice announces the release of Version 9.1.3 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue was fixed where in some cases for xDNS zones, an additional record would be created
- An issue was fixed with the Web application installer where it would in some cases not uninstall properly
- An issue was fixed with the Web application where the filtering sidebar collapsed state was not persisted
- An issue was fixed with authentication on the Web application where in the case of a failed login, an external authentication dialog would be shown.
- An issue was fixed in the Web interface where in some cases DNS records would not be shown in the IP address properties
- An issue was fixed where changing zone options for forward zones on window server 2016 would always return an error
- An issue was fixed where it was not possible to create A records that had the same name as the DNS zone for AD integrated zones
- An issue was fixed on the Men & Mice appliances regarding SNMP trap behavior

Improvements

- BIND on the DNS & DHCP appliances was upgraded to 9.11.4-P1

9.1.2

August 17th, 2018

Men & Mice announces the release of Version 9.1.2 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- An issue was fixed in the new Web application which prevented users with SQL Server to use the reporting feature
- An issue was fixed in the new Web application where collapsing the filtering sidebar would clear the active filter
- An issue was fixed for the GetDNSRecords SOAP command where it was not possible to have a nillable targetRef
- An issue was fixed in the new Web application where DHCP leases would show up as Free

Improvements

- It is now possible to create and modify multiline TXT records in the web application

9.1.1

July 22nd, 2018

Men & Mice announces the release of Version 9.1.1 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug fixes

- A performance issue was fixed in the web application where it could take longer than expected to open up a network.

9.1.0

July 11th, 2018

Men & Mice announces the release of Version 9.1 of the Men & Mice Suite.

This version will be supported for 2 years or until July 11th, 2020.

Please note that all upcoming major releases are supported for 2 years.

New Features and Improvements

A New Web Application

A new web application has been released for the Men & Mice Suite. This first version of the new web application has basic DNS and DHCP management functionality. In an upcoming version 9.2 of the Men & Mice Suite the goal is to expand on the DNS and DHCP functionality and add new features which are not present in the current web interface or the Windows client (The Men & Mice Management Console).

For details on the functionality in the Web Application, see Men and Mice Web Application Guide.

DNSTAP support for BIND and Unbound on Men & Mice Appliances

DNSTAP is a new open technology, reading DNS server state events directly from the core of the DNS server, and making sure that performance loss is minimal while instrumentation is enabled. DNSTAP allows administrators to easily get more valuable information on the DNS queries the server receives and responses sent to the clients.

NTP server on Men & Mice Appliances

A user can now (currently manual configuration per request) use the Men & Mice appliances as an Network Time Server (NTP)

Improvements

- AD integrated zones can now be a part of an xDNS group
- It is now possible to edit DHCP option 43 as both ASCII and HEX
- Improved performance when synchronizing DNS zones in Azure DNS and AWS Route 53
- xDNS Zone Redundancy now supports read only instances of zones
- BIND running on the DNS & DHCP Appliance now runs version 9.11

Bug Fixes

- An issue was fixed where after migrating a DNS zone, the zone could in some cases be left in an inconsistent state
- An issue was fixed where the DHCP synchronization could stop if Men & Mice Central would be unable to resolve the DNS name for a DHCP server at startup
- An issue was fixed where it was not possible to use the SOAP command mmPlaceInFolder correctly for a DHCP scope folder
- An issue was fixed where promoting a DNS zone from slave to master would in some cases copy data from the wrong master server

- An issue was fixed where the GetDNSServers SOAP command would return elements in the wrong order
- An issue was fixed where an AD forest name would not be updated correctly in Men & Mice Central
- An issue was fixed where a potential deadlock could occurr when running external scripts
- An issue was fixed where data for MX records in AWS was not being handled correctly
- An issue was fixed where a user was unable to migrate a DNS zone into a cloud DNS server in case there was a shorthand notation for the Time to Live (TTL)
- An issue was fixed where a user logging in repeatedly could block access for other users
- An issue was fixed where the update agent would not function correctly during an upgrade

End-of-Life Announcements

- Version 8.2 of the Men & Mice Suite is no longer supported.

8.3.11

July 3rd, 2019

Men & Mice announces the release of Version 8.3.11 of the Men & Mice Suite.

Bug fixes

- An issue was fixed where SNMP for the DNS & DHCP appliances was not working as expected

8.3.10

June 25th, 2019

Men & Mice announces the release of Version 8.3.10 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Appliances

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
    - CVE-2019-6471
- Multiple vulnerabilities, CVE-2019-11477, CVE-2019-11478 & CVE-2019-11479, were found in the Linux kernel that is used on the Men & Mice appliances.
  The software on the appliances has been updated to handle the vulnerabilities.

8.3.9

May 17th, 2019

Men & Mice announces the release of Version 8.3.9 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
    - CVE-2018-5743

Improvements

- An issue was fixed where it was not possible to delete NAPTR records on the BIND DNS server

8.3.8

February 8th, 2019

Men & Mice announces the release of Version 8.3.8 of the Men & Mice Suite.

Improvements

- Handling of RPC connections was improved
- Akamai has deprecated support for TLS 1.0 for Fast DNS and currently requires TLS 1.2 to be used. Consequently, the Men & Mice Suite now uses TLS 1.2 when communicating with Akamai Fast DNS securely

8.3.7

December 17th, 2018

Men & Mice announces the release of Version 8.3.7 of the Men & Mice Suite.

Bug fixes

- An issue was fixed where a deadlock could occur when calling the AddRange API command
- An issue was fixed where disabled DHCP scoped where not being shown as disabled

Improvements

- Thread safety of exceptions was improved
- Logging from Men & Mice Central was improved

8.3.6

December 3rd, 2018

Men & Mice announces the release of Version 8.3.6 of the Men & Mice Suite.

Bug fixes

- An issue was fixed where a user could select an option to sign a DNS zone on BIND while the option should have only been available for Windows DNS servers
- An issue, where Men & Mice Central would crash in case of communicating with cloud services, was fixed
- An issue was fixed where the ArrayOfString XML element was not handled properly in certain conditions
- An issue was fixed where in certain cases DHCP reservations would not get purged when expected.
- An issue where Men & Mice Central would crash under very specific circumstances, was fixed
- An issue was fixed where the installer for the DNS remote would fail installation for a config that contained TSIG keys
- An issue was fixed where the update agent would not function correctly during an upgrade
- An issue was fixed where a user logging in repeatedly could block access for other users
- An issue was fixed where moving an IP address within an IP address range would not be handled properly
- An issue was fixed where cached data was being purged incorrectly which could result in a failed invariant and in some cases cause increased memory usage

Improvements

- Documentation was updated for the REST API. It was wrongly indicated for Range PropertyDefinition that "ref" would be a required field

8.3.5

September 26th, 2018

Men & Mice announces the release of Version 8.3.5 of the Men & Mice Suite.

This is a maintenance release containing a 3rd party issue on the Men & Mice Caching Appliances.

Issues

- The DNS server on the Caching Appliance was upgraded due to an issue in Unbound regarding ability to manage the root keys in the previous version. A KSK key rollover is scheduled for the root zone on the 11th of October 2018 and before, unbound must be able to manage the trust anchors automatically.

  All Caching appliance users that are running versions 8.3 are encouraged to upgrade to version 8.3.5

Bug fixes

- An issue was fixed where changing zone options for forward zones on window server 2016 would always return an error

8.3.4

August 2nd, 2018

Men & Mice announces the release of Version 8.3.4 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug

- An issue was fixed on the Men & Mice appliances regarding SNMP trap behavior
- An issue was fixed when migrating a DNS zone between servers
- An issue was fixed where the GetDNSServers SOAP command would return elements in the wrong order
- An issue was fixed where it was not possible to migrate a DNS zone in to a cloud account if it has a shorthand notation for the TTL
- An issue was fixed where creating a related PTR record would not use the best matching reverse zone by default
- An issue was fixed where in a specific scenario a user could not create an SPF record in Route53

8.3.3

June 25th, 2018

Men & Mice announces the release of Version 8.3.3 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug

- An issue was fixed where the server running Men & Mice Central could not resolve the hostname of a DHCP server which caused issues in the DHCP synchronization.
- An issue was fixed with folders for DHCP servers
- An issue was fixed where an upgrade failed where the database backend was a german version of the SQL server

Improvements

- DHCP option 43 is now editable as ASCII and binary

8.3.2

April 11th, 2018

Men & Mice announces the release of Version 8.3.2 of the Men & Mice Suite.

This is a maintenance release containing various fixes and improvements.

Bug

- Fixed an issue where properties would not get updated after changing a property for a cloud service
- Fixed an issue where DNS records could be lost when there is an error migrating a zone to a cloud provider
- Fixed an issue where adding DHCP Scopes into Men & Mice would not be logged in the audit log
- Fixed an issue where option 43 on Cisco DHCP Scopes would be represented incorrectly
- Fixed an issue where the rules for DHCP Scope name and description were not always enforced correctly
- Fixed an issue where syncing a cloud service account could fail if duplicate virtual networks exists
- Fixed an issue where the DHCP Server Controller that manages Cisco DHCP crashes frequently
- Fixed an issue where the Management Console could crash when migrating zones
- Fixed an issue where Central could crash under some extreme circumstances
- Fixed an error that could occur when reconfiguring existing cloud account
- Fixed an issue that could cause external scripts for Ranges to time-out
- Fixed an issue where the AD forest name for a DNS Server would not be updated
- Fixed an issue where IP addresses and A records would not be associated in some cases
- Fixed an issue where the Management Console could run out of memory in some very large environments
- Fixed an issue where Central would not stop gracefully in a timely manner while adding DHCP servers into Men & Mice
- Fixed an issue where the keys directory would not be copied to the correct location when installing the DNS Server Controller on BIND servers

Improvements

- Add ability to import custom network discovery information for ranges
- Improve reliability of agent-free DHCP management
- Improve performance of adding DHCP servers into Men & Mice
- Improve performance of DHCP Synchronization time in very active environments
- Improve performance of parallel management of MS DHCP servers
- Drastically improve performance of removing DHCP servers from Men & Mice
- Improve logging during DHCP Synchronization
- Increase the maximum body size for API calls through the Men & Mice Web Services from 100KB to 30MB
- Improve performance of ping discovery and reduce its effect on the rest of the system

8.3.1

January 17th, 2018

January 17th, 2018

Men & Mice announces the release of Version 8.3.1 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerability
    - CVE-2017-3145:

      Improper fetch cleanup sequencing in the resolver can cause named to crash.

      BIND was improperly sequencing cleanup operations on upstream recursion fetch contexts, leading in some cases to a use-after-free error that can trigger an assertion failure and crash in named.

8.3.0

January 11th, 2018

Men & Mice announces the release of Version 8.3 of the Men & Mice Suite.

This version will be supported for 2 years or until January 11th, 2020.

New Features and Improvements

Performance and Scalability Enhancements

Large DHCP environments present particular challenges to the synchronization of large numbers of DHCP servers and large numbers of DHCP scopes.

Version 8.3 of the Men & Mice Suite contains various enhancements that lighten the load for Microsoft DHCP servers, making DHCP server management more efficient.

Several optimizations have been made for syncing Microsoft DHCP servers:

- Reduced network traffic, especially between the Central server and a DHCP server controller.
- Improved database performance when processing data from a DHCP server.
- Reduced load on a DHCP server while it is being synced.

See the Men & Mice blog for more information.

Akamai Cloud DNS Support

From Version 8.3, the Men & Mice Suite supports Akamai Fast DNS. Due to limitations in the current Akamai Fast DNS API, users need to create and delete DNS zones through Akamai's Luna Control Center. This will be rectified when the new Akamai REST API is released in the first half of 2018.
See Cloud Integration for more information.

Improvements

- Support for the CAA record type was added in the Men & Mice Suite and for the cloud services Amazon Route53, Dyn, Azure and NS1
- The authentication mechanism in the Men & Mice Web Services was enhanced
- Session management in the Men & Mice Web Services was enhanced
- Logging was improved in the case of using the -z parameter at startup of Men & Mice Central
- The GetRanges SOAP API call now returns elements in the same order as specified in WSDL
- Improvements were made for modifying access to IP ranges in a large and busy environment
- The AddDNSZones SOAP command was improved so that non-master zones could be created
- An option was added to enable expanding or collapsing of all ranges in the hierarchical view of the Management Console
- Added a "Copy/Select All" menu to lists in the "Device details" window
- Due to security issues, dnscmd.exe which was included in the DNS Remote Controller, has now been removed from the installer
- PTR record creation for RPZ zones has been disabled by default
- Synchronization to Azure DNS has been optimized
- Backup interval for MS DHCP servers has been increased to a default value of 6 hours.

Bug Fixes

- An issue was fixed where certain users had the wrong database collation detected
- The Management Console now reconnects correctly if the network connection is temporarily broken for users with Single Sign On (SSO)
- An issue was fixed where Kerberos authentication in the Men & Mice Web Services would fail when the security token size would be greater than 10k
- An issue was fixed where the Men & Mice Web Services (MMWS) would crash under specific circumstances
- An issue was fixed where "ghost" ranges would be created in the case of external range commands that have failed
- An issue was fixed where a race condition could result in confusion regarding cloud services when adding a new cloud service through the Management Console
- An issue was fixed where only the built-in administrator could enable/disable scavenging for records
- An issue that prevented PowerDNS users from making changes to DNS zones through the generic DNS controller, was fixed
- An issue was fixed in the zone migration wizard where it would, in some cases, delete the history, properties and access rights of the original zone
- An issue was fixed where after changing an IP address in an A record inside a zone, the DNS names in the respective range would not be updated
- An issue was fixed in the Web UI where Host Editor didn't always allow "All" even when records were the same in both zone instances
- An issue was fixed where creating a new zone on Dyn could take longer than expected and result in an error
- An issue was fixed where slave zones were not visible when there were master zones with the same name, but in a different view
- An issue was fixed where load balance DHCP failover relationships on MS DHCP Servers would not be included in the scope creation wizard
- An issue was fixed where license keys for Men & Mice Appliances would be required to manage local zones for a local Unbound DNS server
- An issue was fixed where SPF records on Route53 were being synced incorrectly
- An issue was fixed where the DNS Remote Controller could crash in the case of Route53 reading unknown record types
- An issue was fixed where the DNS Remote controller could crash when running on Gentoo
- An issue was fixed where the Men & Mice Central service was not able to start in certain circumstances
- An issue was fixed where an error indicating that an object could not be saved because it was modified by another user, would be displayed in the case of adding a round robin A record in instances where custom properties for an IP addresses exists
- An issue was fixed where the Management Console would run out of memory in a very large environment (number of zones exceeding 150,000)
- An issue was fixed where the system was unable to replicate NS records when creating an xDNS group
- An issue was fixed where IP address usage was not being calculated correctly for addresses that had multiple A records

- An issue was fixed where subnet utilization calculation could fail for environments containing large numbers of DHCP scopes, leases and reservations
- An issue was fixed where the keys directory was not copied when migrating BIND servers

End-of-Life Announcements

- Support for Windows Server 2008 (non-R2) has been discontinued in Version 8.3 of the Men & Mice Suite.
- Version 7.1 of the Men & Mice Suite is no longer supported.

8.2.8

March 9th, 2018

Men & Mice announces the release of Version 8.2.8 of the Men & Mice Suite.

This is a maintenance release containing a few bug fixes and improvements

Bug fixes

- An issue was fixed where address blocks of cloud networks were not being cleaned up properly
- An issue was fixed where syncing a cloud service account could fail if a duplicate virtual network existed
- An issue was fixed where an IP address was being wrongly shown as free although it has DNS names assigned to it
- An issue was fixed where RouteR53 could crash when reading unknown records
- An issue was fixed where it was not possible to replicate some NS records when creating an xDNS group
- An issue was fixed where SPF records were not being synced correctly from Route53.

Improvements

- Memory capabilities of the Management Console were increased

8.2.7

January 17th, 2018

Men & Mice announces the release of Version 8.2.7 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerability
  - CVE-2017-3145:

    Improper fetch cleanup sequencing in the resolver can cause named to crash.

    BIND was improperly sequencing cleanup operations on upstream recursion fetch contexts, leading in some cases to a use-after-free error that can trigger an assertion failure and crash in named.

8.2.6

December 12th, 2017

Men & Mice announces the release of Version 8.2.6 of the Men & Mice Suite.

This is a maintenance release containing a few bug fixes and improvements

Bug fixes

- An issue was fixed in the zone migration wizard where it would in some cases delete the history, properties and access rights of the original zone
- An issue was fixed in the Web UI where Host Editor didn't always allow "All" even when records were the same in both zone instances
- An issue was fixed where changing an IP address in A record inside a zone, the DNS names in the respective range did not get updated
- An issue was fixed where slave zones were not visible when there were master zones with the same name but in a different view.

8.2.5

October 25th, 2017

Men & Mice announces the release of Version 8.2.5 of the Men & Mice Suite.

This is a maintenance release containing a few bug fixes and improvements

> ⊙ Customers with RHEL 5 servers should be aware that beginning with version 8.2, the Men & Mice components will no longer work on those platforms. Please upgrade those RHEL 5 servers to a newer version before upgrading the Men & Mice Suite.

Improvements

- Security related enhancements in web UI authentication
- Improvements when modifying access for IP ranges in a large and busy environment

Bug fixes

- An issue that prevented PowerDNS users from making changes to DNS zones through the generic DNS controller, was fixed
- An issue was fixed where only the built-in administrator could enable/disable scavenging for records
- An issue was fixed where the Men & Mice Web Services (MMWS) could crash under specific circumstances

8.2.4

October 9th, 2017

Men & Mice announces the release of Version 8.2.4 of the Men & Mice Suite.

This is a maintenance release containing a few bug fixes and improvements

> ⊙ Customers with RHEL 5 servers should be aware that beginning with version 8.2, the Men & Mice components will no longer work on those platforms. Please upgrade those RHEL 5 servers to a newer version before upgrading the Men & Mice Suite.

Improvements

- Support for CAA record type has been added on BIND nameservers, as well as on the Route53, NS1 and Dyn cloud DNS providers
- GetRanges SOAP API call now returns elements in same order as specified in WSDL

Bug fixes

- When an external command is configured for ranges and fails during range creation, a blank range will no longer be left over
- Connecting with Negotiation Authentication (Single Sign-on) to the REST API no longer fails if the Kerberos token is very long
- The Management Console will now reconnect automatically when logged in with Single Sign-On and network connectivity is temporarily lost
- An issue was fixed where Men & Mice would crash if using an SQL Server database configured with an unexpected/incorrect database collation
- An issue was fixed where Load Balance DHCP Failover relationships on MS DHCP Servers would not be included in the Scope Creation wizard

8.2.3

August 23rd, 2017

Men & Mice announces the release of Version 8.2.3 of the Men & Mice Suite.

This is a maintenance release containing various bug fixes and improvements

> ⊙ Customers with RHEL 5 servers should be aware that beginning with version 8.2, the Men & Mice components will no longer work on those platforms. Please upgrade those RHEL 5 servers to a newer version before upgrading the Men & Mice Suite.

Improvements

- It is now possible to reload a zone window by pressing F5
- A warning message is now displayed when modifying a zone in an xDNS group, when all zones in the group are out of sync
- TXT DNS record data that is longer than 255 characters is now automatically split into multiple lines
- Conflict resolution was improved when creating an xDNS group
- Apex A/AAAA records and _msdcs NS records are now locked in AD zones
- Columns with discovery info are now only shown when they are relevant

Bug fixes

- File->New->Cloud service is now always enabled correctly
- DHCP policies now support the FQDN criteria
- It is now possible to select a failover peer when creating a scope on an ISC server, if the server has failover configured
- The management console only shows xDNS groups that contain zones in the current address space
- The possibility to sign a zone that is in an xDNS group has been removed
- When migrating a DHCP scope, it is now possible to select if options should be migrated when the option ID and type are the same, but the name is different on the destination server
- Fixed an issue where Access inheritance was not working.
- Fixed an issue where discovery for instances in cloud networks reported instances green when they should not be.
- Fixed an issue where scope creation wizard did not show DHCP server with configured failover when the name did not match. We now look for it by ID instead of name.
- Fixed an issue where recently migrated zones could not be added to an xDNS group
- Fixed an issue where DHCP scopes were added to the default address space instead of the address space of the DHCP server
- Zone is now automatically in sync if it is the last zone in an xDNS group
- Fixed an issue where the Cloud Account Wizard for Route 53 only counted up to 100 zones
- Fixed an issue where a user was unable to do some operations on large zones (>1000 records) on AWS Route 53
- Fixed an issue where former cloud device IP's were left in state assigned
- Fixed an issue where errors while updating record sets on a zone from the Dyn DNS provider could result in partial updates and wrong errors
- Overlapping subnets from different cloud VPCs are now excluded and a health warning is displayed
- It is now possible to add an agent-free DHCP server without specifying a valid hostname or a having PTR entry

8.2.2

July 4th, 2017

Men & Mice announces the release of Version 8.2.2 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in M&M Central

> ⊙ Customers with RHEL 5 servers should be aware that beginning with version 8.2, the Men & Mice components will no longer work on those platforms. Please upgrade those RHEL 5 servers to a newer version before upgrading the Men & Mice Suite.

Men & Mice Central

- Fixed an issue where only the built-in administrator could make changes to IP address properties or DNS records under some circumstances

8.2.1

June 29th, 2017

Men & Mice announces the release of Version 8.2.1 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

> ⊙ Customers with RHEL 5 servers should be aware that beginning with version 8.2, the Men & Mice components will no longer work on those platforms. Please upgrade those RHEL 5 servers to a newer version before upgrading the Men & Mice Suite.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
    - CVE-2017-3142:

      An attacker able to send and receive messages to an authoritative DNS server may be able to circumvent TSIG authentication of AXFR requests via a carefully constructed request packet.
    - CVE-2017-3143:

      An attacker who is able to send and receive messages to an authoritative DNS server and who has knowledge of a valid TSIG key name for the zone and service being targeted may be able to manipulate BIND into accepting a dynamic update.

8.2.0

June 29th, 2017

Men & Mice announces the release of Version 8.2 of the Men & Mice Suite.

> ⊙ Customers with RHEL 5 servers should be aware that beginning with version 8.2, the Men & Mice components will no longer work on those platforms. Please upgrade those RHEL 5 servers to a newer version before upgrading the Men & Mice Suite.

New Features

Support for xDNS Zone Redundancy Groups

The xDNS feature allows for the replication and synchronization of redundant master zones in the cloud, centrally managed by the Men & Mice Suite.

For more information, see xDNS Zone Redundancy Groups.

Native support for IPAM in Azure and AWS

Previously, the Men & Mice Suite provided native support for Azure DNS, and Amazon Route 53 through the Generic Controller.
Now, native support has been added for IPAM in Azure and AWS, as well as for Amazon Route 53 DNS.

For more information, see Cloud Integration.

Native support for cloud providers NS1 and Dyn

The cloud services offered by NS1 and Dyn can now be utilized by Men & Mice Suite users. This support, in relation to the xDNS Zone Redundancy Group feature, allows Men & Mice Suite users to manage redundant master zones across multiple cloud providers.

Improvements and Changes

- Performance was improved when logging to console or file.
- A filter has been added to the object browser in the management console. This allows the user to filter the types of objects that can be shown in the object browser.
- It is now possible to change the AD site property of ranges through the API.
- Server type is now shown in the list of DNS and DHCP servers.

- The GetDHCPFailoverRelationships SOAP command was optimized.
- An error is now returned when the GetIPAMRecord SOAP command has an object reference for an address that does not exist.
- We now qualify data fields in SRV, NS, MX and CNAME records for Azure as they now support FQDN.
- Fallback to a secondary domain controller has been made more robust when both domain controllers are being managed by a single DNS Server Controller.
- Handling of zones that are in a locked state has been improved.

Bug Fixes

- An issue where a deadlock could occur when deleting users from the system, was fixed.
- An issue where the UI was not updated as expected when disabling DNS servers, was fixed.
- An issue where extraneous AXFR requests were made when a zone was opened, was fixed.
- An issue where columns in the DHCP scope window were not colour coded correctly, was fixed.
- An issue where the SOAP command JoinRanges did not interpret the references correctly, was fixed.
- An issue where an IP, or an IP range, was used as an object reference in the REST API, was fixed.
- An issue with an incorrect reference in REST API when adding a DHCP exclusion was fixed.
- An issue with the validation of SOA record fields was fixed.
- An issue where AD subnets were not relocated properly between AD sites, was fixed.
- An issue was fixed that prevented users to change custom properties for scopes when they did not have access to edit AD Site association.
- An issue where read only DHCP users would get the Manage Failover Relationships dialog and Disable menu entry displayed as writeable, was fixed.
- An issue where read only DHCP users could delete DHCP server policies, was fixed.
- An issue where a DNS remote controller was not updated when it was running on Ubuntu 16.04, was fixed.
- An issue where using a partially qualified domain name in the GetDNSRecord SOAP command would fail, was fixed.
- An error was fixed in the web UI when opening properties of ranges and there is a property with <none> as default value.
- An issue where it was not possible to re-initialize appliances, was fixed.
- An issue where a database cleanup could deadlock in a special case when using SQLite, was fixed.
- An issue where utilization for DHCP scopes was not persisted on SQLite, was fixed.

Appliances

- BIND on the appliances has been patched to address the issues in the following vulnerabilities:
  - CVE-2017-3137: A response packet can cause a resolver to terminate when processing an answer containing a CNAME or DNAME.
  - CVE-2017-3136: An error handling synthesized records could cause an assertion failure when using DNS64 with "break-dnssec yes;"
  - CVE-2017-3138: named exits with a REQUIRE assertion failure if it receives a null command string on its control channel

End-of-Life Announcements

- Support for Windows Server 2008 will be discontinued in Version 8.3 of the Men & Mice Suite.
- Support for Ubuntu 12.04 LTS has been discontinued as it has reached End of Life for maintenance updates.
- Support for SQL Server 2008 has been discontinued in Version 8.2 of the Men & Mice Suite.

8.1.10

September 26th, 2018

Men & Mice announces the release of Version 8.1.10 of the Men & Mice Suite.

This is a maintenance release containing a 3rd party issue on the Men & Mice Caching Appliances.

Issues

- The DNS server on the Caching Appliance was upgraded due to an issue in Unbound regarding ability to manage the root keys in the previous version. A KSK key rollover is scheduled for the root zone on the 11th of October 2018 and before, unbound must be able to manage the trust anchors automatically.

  All Caching appliance users that are running versions 8.1 are encouraged to upgrade to version 8.1.10

8.1.9

Men & Mice announces the release of Version 8.1.9 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerability
  - CVE-2017-3145:

    Improper fetch cleanup sequencing in the resolver can cause named to crash.

    BIND was improperly sequencing cleanup operations on upstream
    recursion fetch contexts, leading in some cases to a use-after-free
    error that can trigger an assertion failure and crash in named.

Bug Fixes

- An issue was fixed where license keys for Men & Mice Appliances would be required to manage local zones for a local Unbound DNS server

8.1.8

December 12th, 2017

Men & Mice announces the release of Version 8.1.8 of the Men & Mice Suite.

This is a maintenance release containing a few bug fixes and improvements

Improvements

- Performance enhancements were done on the SOAP command GetDHCPFailoverRelationships
- Columns with discovery info are now only shown when they are relevant

Bug fixes

- A bug was fixed in subnet discovery where the usage data was never cleared if the IP address was last found via ping
- An issue was fixed in the zone migration wizard where it would in some cases delete the history, properties and access rights of the original zone
- An issue was fixed where the DNS Remote controller could crash when running on Gentoo
- An issue was fixed where enable scavenging and SetDNSRecordAging was not allowed for other than built-in administrator
- A bug was fixed where extraneous AXFR requests were made when a zone was opened
- An issue was fixed where columns in DHCP scope window were not color coded correctly

8.1.7

October 25th, 2017

Men & Mice announces the release of Version 8.1.7 of the Men & Mice Suite.

This is a maintenance release containing a few bug fixes and improvements

Improvements

- Security related enhancements in web UI authentication

8.1.6

October 9th, 2017

Men & Mice announces the release of Version 8.1.6 of the Men & Mice Suite.

This is a maintenance release containing a few bug fixes and improvements

Improvements

- Support for CAA record type has been added on BIND nameservers
- GetRanges SOAP API call now returns elements in same order as specified in WSDL

Bug fixes

- When an external command is configured for ranges and fails during range creation, a blank range will no longer be left over
- Fixed various issues with Negotiation Authentication (Single Sign-on) when connecting to REST API
- The Management Console will now reconnect automatically when logged in with Single Sign-On and network connectivity is temporarily lost

8.1.5

August 23rd, 2017

Men & Mice announces the release of Version 8.1.5 of the Men & Mice Suite.

This is a maintenance release containing various bug fixes and improvements

Improvements

- Improved support for the "dnssec-must-be-secure" statement in BIND

Bug fixes

- An issue was fixed where the range tree got in a bad state after a range was added. This for example caused available address blocks to not function properly.
- Leases in the BAD ADDRESS state are now handled correctly

8.1.4

June 29th, 2017

Men & Mice announces the release of Version 8.1.4 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
    - CVE-2017-3142:

      An attacker able to send and receive messages to an authoritative
      DNS server may be able to circumvent TSIG authentication of AXFR
      requests via a carefully constructed request packet.
    - CVE-2017-3143:

      An attacker who is able to send and receive messages to an
      authoritative DNS server and who has knowledge of a valid TSIG
      key name for the zone and service being targeted may be able to
      manipulate BIND into accepting a dynamic update.

8.1.3

May 29th, 2017

Men & Mice announces the release of Version 8.1.3 of the Men & Mice Suite.

Bug Fixes

- An issue was fixed where users that did not have access to edit AD site associations would not be able to edit other properties for scopes
- An issue was fixed where it was impossible for some users to re-initialise appliances
- An issue was fixed where external changes done in AD Sites and Services would not be reflected in Men & Mice Suite
- An issue was fixed where the database could get corrupted and therefore Men & Mice Central not able to start
- An issue was fixed where DHCP server policies could be edited by read-only users.

8.1.2

April 12th, 2017

Men & Mice announces the release of Version 8.1.2 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
  - CVE-2017-3137: A response packet can cause a resolver to terminate when processing an answer containing a CNAME or DNAME.
  - CVE-2017-3136: An error handling synthesized records could cause an assertion failure when using DNS64 with "break-dnssec yes;"
  - CVE-2017-3138: named exits with a REQUIRE assertion failure if it receives a null command string on its control channel

8.1.1

March 29th, 2017

Men & Mice announces the release of Version 8.1.1 of the Men & Mice Suite.

Improvements and Changes

- Error messages for exceptions have been improved
- High-availability configurations should now be more resilient to temporary loss of connection to database server
- Improved error checking for REST API
- We now qualify data fields in SRV, NS, MX and CNAME records for Azure as they now support FQDN which they didn't before.
- Made fallback to secondary domain controller more robust when both DCs are managed by a single DNS Server Controller
- Minor UI improvements
- The warning message for users running the SQL server that is older than 2014 now reads: "SQL Server 2014 or higher is recommended for Men & Mice" instead of being stated that they are outdated.

Bug Fixes

- A bug was fixed in the web interface where opening properties of ranges when there is property with <none> as default value would result in an error
- A bug was fixed where utilization for DHCP scopes would not be persisted on SQLite.
- A bug was fixed where a deadlock could occur in the database cleanup of SQLite.

8.1.0

January 24th, 2017

Men & Mice announces the release of Version 8.1 of the Men & Mice Suite.

Please note: *Version 8.1 is a long term support (LTS) release. More information on the Men & Mice Release Policy can be obtained* here.

As an LTS release, Men & Mice Suite Version 8.1 includes improvements to newly introduced features from Version 7.2 and Version 7.3, and improvements to the stability and performance of the Men & Mice Suite in general.

New Features

- Added ability to manage DHCP policies on Windows Server 2012 R2 and Windows Server 2016.
  Note that DHCP policies are only supported on Microsoft Server 2012 R2 and newer.

Improvements and Changes

- Made performance improvements for DHCP synchronization in Men & Mice Central.
- Made performance improvements for address utilization calculations in Men & Mice Central.
- Made performance improvements for address utilization history in Men & Mice Central.
- A notification that appeared at log-in on the Management Console and indicated remotes that are out of date, has been removed.
- The Management Console now correctly disables the "Options" command for zone scopes.
- It is now possible to add and remove Caching Scopes on Windows Server 2016 from the Management Console.
- Synchronization was added to Men & Mice Central to prevent multiple threads from trying to update subnet utilization info at the same time.
- Health checks can no longer prevent a server controller from exiting in a timely manner.
- Security when running external commands using SOAP was improved.
- The scope property 'next-server' can now be migrated from the ISC DHCP server to the ISC Kea DHCP server.
- It is now possible to mix Containers and AD subnets.
- The filter in the Web Interface now correctly handles spaces before/after colons.
- DNS Zones can now be created in an empty BIND view.
- The look of the Management Console UI has been improved.
- Lease history purging was improved.
- A misleading health warning indicating that it is not possible to connect to a server was changed.
- History event is now logged when setting or changing a DNS recursion policy.
- The DNS zone scope name is now included in zone properties.
- Mandatory custom properties can now be specified without a default value, forcing the user to select a value.
- SQL Server 2016 is now officially supported in the Men & Mice Suite.

Bug Fixes

- A minor issue was fixed where selecting "Update reverse records" would open both the Reverse record wizard and the "Add Zone Scope" dialog.
- An issue was fixed that could cause the Management Console to crash when reloading a range list in the background.
- An issue was fixed with inconsistent behaviour of the "Apply" button in some Properties dialogs in the Management Console.
- An issue was fixed which could cause Central to crash at startup when fixing a data integrity issue in older versions.
- A problem was fixed with accessing DHCP Policies in the REST API.
- A problem was fixed where the JSON-RPC result element contained different ordering than before.
- A problem was fixed where the loopback addresses would be erroneously removed from the BIND config.
- An issue was fixed where zone transfer settings were not being properly set during synchronization.
- An issue was fixed where Central would crash upon losing database connectivity.
- An issue with using TSIG keys in upper case was fixed.
- An issue was fixed in the update download dialog which could cause the progress bar not to show until 20 seconds after the download starts.

Appliances

- ISC DHCP has been upgraded to 4.3.5 on the DNS/DHCP appliance.
- The DNS Software on the DNS/DHCP appliances was upgraded to a newer version due to a number of vulnerabilities.
  - CVE-2015-8704
  - CVE-2016-2776
  - CVE-2016-8864.
  - CVE-2016-9131
  - CVE-2016-9147
  - CVE-2016-9444
  - CVE-2016-9778

End-of-Life Announcements

- Support for SQL Server 2008 will be discontinued in Version 8.2 of the Men & Mice Suite.
- Support for the Men & Mice Remote controllers has been discontinued on Solaris Sparc.

7.3.2

January 12th, 2016

Men & Mice Announces the release of version 7.3.2 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
  - CVE-2016-9131: A malformed response to an ANY query can cause an assertion failure during recursion. See https://kb.isc.org/article/AA-01439 for more details.
  - CVE-2016-9147: An error handling a query response containing inconsistent DNSSEC information could cause an assertion failure. See https://kb.isc.org/article/AA-01440 for more details.
  - CVE-2016-9444: An unusually-formed DS record response could cause an assertion failure. See https://kb.isc.org/article/AA-01441 for more details.
  - CVE-2016-9778: An error handling certain queries using the nxdomain-redirect feature could cause a REQUIRE assertion failure in db.c. See https://kb.isc.org/article/AA-01442 for more details.

7.3.1

December 2nd, 2016

Men & Mice Announces the release of Version 7.3.1 of the Men & Mice Suite. This release contains several updates and fixes.

Bug fixes

- An issue was fixed where a crash could occur when syncing zone that contained records that were identical except for character case
- An issue was fixed where Men & Mice Central could crash in the case that it got an empty zone transfer
- An issue was fixed where the connection to Azure DNS could be unexpectedly closed during login
- An issue was fixed where a DS record could not be added or deleted on dynamic zones on BIND
- An issue was fixed where IgnoreZones preference was ignored when a server was synchronized for the first time

7.3.0

November 10th, 2016

Men & Mice announces the release of Version 7.3 of the Men & Mice Suite.

Please note: *Version 7.3 is not a long term support (LTS) release, but a feature release. More information on the Men & Mice Release Policy can be obtained here.*

ⓘ **Important**

Due to changes introduced in Men & Mice Suite Version 7.2.0, customers currently running Men & Mice software on Windows Server 2003 will not be able to upgrade to Version 7.2.0 or higher of the Suite. Customers affected by this change are advised to upgrade to a more recent Windows Server.

Note: This applies to all Men & Mice Components.

New features

Windows Server 2016 Support

As of September 2016, the Windows Server 2016 achieved General Availability. Men & Mice Suite support for primary Windows Server 2016 DNS and DHCP features was already included in Version 7.2, released in May 2016. A stand-out feature was support for **Response Rate Limiting**, which significantly reduces the impact of a denial-of-service (DoS) attack on servers.

The following additional Windows Server 2016 features are supported from Men & Mice Suite Version 7.3 onwards:

DNS policies

DNS policies grant a user control over how queries are handled, based on specific criteria. These criteria can, for example, be used in the following scenarios:

- High availability of DNS services
- Traffic management
- Split-brain DNS
- Filtering
- Forensics
- Redirection based on date/time

Specific types of policies are:

- *Zone transfer policies*
  Essentially used to define how zone transfers take place, zone transfer policies control zone transfer permission on the server level or the zone level.
- *Recursion policies*
  Control how the DNS server performs recursion for a query.
- *DNS query resolution policies*
  Used to specify how incoming DNS queries are handled by the DNS server.

IPv6 root hints

The IPv6 root servers can now be used for performing name resolution.

DANE TLSA records

DANE, or DNS-based Authentication of Named Entities, allows a domain owner to specify in a specific DNS record, which certificate authorities are allowed to issue certificates for the domain.

REST API

Men & Mice Suite users have enjoyed the benefits of a particularly robust set of application programming interfaces (APIs) in the form of the Men & Mice SOAP and JSON-RPC APIs, introduced in 2008 and 2014 respectively. Starting with Version 7.3, Men & Mice is making the integration of various tools with the Men & Mice Suite even smoother by adding a REST API to the Men & Mice Suite.

Used by browsers, REST (Representational State Transfer) is often considered to be the language of the internet. By using HTTP requests to GET, POST, PUT and DELETE data, REST paves the way for two computers to communicate over the internet by one acting as a web server and the other as a web browser. This resource-based architectural style of REST is well-suited to the greater scalability and flexibility required by the constantly increasing utilization of cloud services.

The Men & Mice REST API includes all the functionality of the existing SOAP and JSON-RPC APIs, but delivers the added advantage of ease of use, combined with a rich set of tools and support libraries. Amongst other things, the REST API provides Men & Mice Suite users with the tools to create workflows and write handy scripts to import and export data.

The Men & Mice Suite REST API is discussed in greater detail in the Men & Mice REST API article.

VMware Integration Plug-In

Men & Mice takes a further step towards simplifying virtualization by introducing the VMware vRealize Orchestrator plug-in. Designed to integrate seamlessly with workflows inside the VMware Orchestrator framework, the Men & Mice Suite VMware plug-in allows for fast and efficient provisioning of virtual machines.

When a Men & Mice Suite user puts in a request for a new virtual machine, the vRealize Orchestrator receives the next available IP address from the requested subnet, together with other essential configuration information. vCenter creates the VM and communicates the changes back to the Men & Mice Suite, which then updates DNS infrastructure accordingly. Additionally:

- The Men & Mice Suite's custom properties allow further customization of the VM's visibility and status.

- VM information retained in the Men & Mice Suite enables VM tracking, synchronization and updates, including the release of IP addresses after a virtual server is taken down.

- The Men & Mice Suite talks to DNS servers and registers DNS entries and other changes, such as updates to DNS policies, thereby consolidating DNS data required by the vRealize Orchestrator.

Integrated functionality not only saves time, but also strengthens security, eliminates errors of configuration and ensures improved and continuously synchronised network manageability.

Further information on theVMware plug-in can be obtained from Men & Mice Suite Documentation.

Appliances

- Software on the DDI appliances was upgraded to a newer version due to vulnerabilities CVE-2016-2776 and CVE-2016-8864.

Other Improvements and Changes

- It is now possible to request the next free address inside a container.
- Dynamic records on Microsoft DNS Servers can now be created with the AddDNSRecord(s) SOAP API command.
- It is now possible to synchronize with the server before fetching DNS records in a DNS Zone with the SOAP API.
- The discovery schedule can now be managed with the SOAP API.
- The indicator for trailing gaps in the range list is no longer indented when the tree is in flat mode.
- Users can now edit scope properties for scopes with instances on both ISC and Kea DHCP servers.
- ISC DHCP scopes with failover peers can now be migrated to Kea DHCP servers or ISC servers without failover peers.
- Disabling of the address utilization history collection is now possible.
- General performance improvements for large environments.
- Support has been added for GeoIP in the BIND DNS server support in the Men & Mice Suite.
- Health bar notifications now contain hyperlinks to relevant Knowledgebase articles.
- It is now possible to edit Kea DHCP server configuration directly via advanced options.
- Men & Mice Central will now try to load newer Microsoft ODBC drivers with fallback to older drivers.

Bugs and Issues Fixed

- An issue was fixed where Men & Mice Central would crash in certain situations when accessing non-existing IP addresses from the database.
- An issue was fixed where the DNS Server Controller dropped newly created zones under certain circumstances.
- An issue was fixed with retrieving Kea DHCP server properties with the SOAP API.
- An issue was fixed where cancelling of the First Use Wizard would crash the Management Console.
- A display issue in the login dialog progress bar in the Management Console was fixed.
- The handling of empty and missing access control lists (ACL) in BIND server options was fixed.
- An issue was fixed where DHCP synchronization would fail if a scope in a failover relationship was removed outside of the Men & Mice Suite.
- The AddDHCPScope API function now handles correctly if the scope is not within the IPv4 range.
- An issue was fixed where a user with limited access privileges might get an error when right-clicking a folder created by another user.
- The Management Console no longer clears quick filter when data in lists is modified.
- An issue was fixed where zones of type static-stub were not being handled properly.
- An issue was fixed regarding the use of long command prompts when configuring Cisco DHPC servers.
- Adding the root zone no longer causes a longer startup time on the next restart of Men & Mice Central.
- An issue was fixed where an installation of the Web Interface on Windows Server 2016 would fail.
- An issue was fixed where the GetNextFreeAddress SOAP command would occasionally return the wrong address.
- Health notifications for Kea DHCP servers have been added.
- Connection tracking for Port 53 on Men & Mice appliances has been disabled.
- An issue was fixed with an impatient updater service.
- The Windows 2016 DNS Server status check has been improved.
- An issue was fixed where the BIND option 'also-notify' was not being parsed correctly.
- An issue was fixed where a BIND server with views would not initialize correctly.
- An issue was fixed where Men & Mice Central would not exit properly while updating.
- An issue was fixed where editing reservations on Cisco DHCP servers could result in an exception.
- An issue was fixed where the SOAP API command SetDNSRecordAging would not correctly toggle the ageing value on CNAME records.

End-of-Life Announcements

- Support was removed for Men & Mice Central and Men & Mice Remote agents on 32-bit Windows 2008 (non-R2).

7.2.7

Men & Mice Announces the release of version 7.2.7 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issue in CVE-2016-8864. For details, see https://kb.isc.org/article/AA-01434.

7.2.5

Men & Mice Announces the release of version 7.2.5 of the Men & Mice Suite.

This is a maintenance release containing a fix for the updater agent for Men & Mice Central.

Fixes

- An issue in the updater agent for Men & Mice Central has been fixed. This issue caused an older version of the updater to be installed.

7.2.4

Men & Mice Announces the release of version 7.2.4 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issue in CVE-2016-2776. For more information see https://kb.isc.org/article/AA-01419.

7.2.3

Men & Mice Announces the release of Version 7.2.3 of the Men & Mice Suite.

Bug fixes

- An issue was fixed where creating swap space could take more space than it should have
- The performance was improved for gathering lease history

7.2.2

Men & Mice Announces the release of Version 7.2.2 of the Men & Mice Suite. This release contains a single bug fix

Bug fixes

- An issue was fixed where the state of a virtual appliance was wrongly reported as Unknown instead of OK. This did not affect the basic usage of the appliance, but prevented configuration of the appliance.

7.2.1

July 6th, 2016

Men & Mice Announces the release of Version 7.2.1 of the Men & Mice Suite. This release contains several updates and fixes.

Bug fixes

- Optimizations were done for DNS synchronization when deleting records with custom properties
- IgnoreZones property was changed so it now only applies to master zones
- An issue was fixed where Central would sometimes fail to connect to a DNS server controller
- An issue was fixed where cached DNS master zone records in Central were unnecessarily cleared
- Performance was improved for the GetDNSRecords and SetDNSRecordAging SOAP commands
- An issue was fixed in the AD synchronization thread that was causing the thread to incorrectly add or remove subnets
- Central now keeps connections to remotes open for a longer time in order to improve performance
- An issue was fixed where newly created DNS records were removed from the suite during a synchronization
- An issue was fixed where DNS Zones could go out of sync in certain situations when IXFR failed

7.2.0

May 19th, 2016

Men & Mice announces the release of Version 7.2 of the Men & Mice Suite.

Please note: Version 7.2 is not a long term support (LTS) release, but a feature release. More information on the Men & Mice Release Policy can be obtained here.

> ⓘ **Important**
> Due to changes introduced in Men & Mice Suite Version 7.2.0, customers currently running Men & Mice software on Windows Server 2003 will not be able to upgrade to Version 7.2.0 of the Suite. Customers affected by this change are advised to upgrade to a more recent Windows Server.
>
> Note: This applies to all Men & Mice Components.

New features

ISC Kea DHCP Server Support

Men & Mice introduces support for the new ISC Kea DHCP server, the natural successor to the ISC DHCP server. The Kea DHCP server is a high performance server, allowing for the clean and fast implementation of both DHCPv4 and DHCPv6[1]. Kea DHCP also boasts PXE Boot Support, DHCPv6[1] prefix delegation, dynamic reconfiguration and dynamic DNS updates.

As with other servers supported by the Men & Mice Suite, the Kea DHCP server functionality is fully controlled through the Men & Mice Management Console. This includes the effortless **migration** of IP subnets (scopes), including options, **from ISC DHCP to Kea DHCP**.

Windows Server 2016 Support

The Men & Mice Team is developing and releasing support for specific new Windows 2016 features, as and when they are made available by Microsoft.

From Version 7.2, the Men & Mice Suite supports all of the primary Windows DNS and DHCP Server 2016 features.

Support for other new Microsoft Server 2016 features, such as the DNS Zone Scopes and DNS policies, is scheduled for the Men & Mice Suite Version 7.3 release later this year.

Windows Response Rate Limiting

Men & Mice Suite Version 7.2 introduces a dedicated UI for the Windows 2016 **Response Rate Limiting (RRL)** feature. Response Rate Limiting significantly reduces the impact of a denial-of-service (DoS) attack on DNS servers.

Men & Mice Suite Management Console Enhanced

A stint of spring cleaning at Men & Mice has resulted in a Management Console with a tidier, and ultimately more manageable, look. From Version 7.2, windows in the Management Console are dockable, making it both simpler to manage and easier to navigate for the user.

Appliances

- ISC BIND has been upgraded to 9.9.8-P4 on the DNS/DHCP appliance, which addresses critical security flaws in the BIND software (CVE-2016-1285 and CVE-2016-1286).
- The glibc library was upgraded on the Men & Mice appliances, which addresses a vulnerability (CVE-2015-7547).

Other Improvements

- The performance of SOAP commands GetIPAMRecord and GetIPAMRecords has been improved.
- Men & Mice Central's handling of the running of external scripts has been improved.
- Only users defined by the administrator's role access now receive Men & Mice Suite update notifications.
- Available updates are only visible to the built-in administrator, or users with access to the built-in administrator role.
- Multiple instances of the same error/warning are grouped by category in the health bar panel.
- A verify PTR status is no longer reported for IP addresses that only have custom properties.
- When a group is added, it is assumed that it is an AD group if its name contains @ or \ .
- Zones on Microsoft 2016 DNS servers with defined policies now never use incremental zone transfer (IXFR).
- Read-only boolean custom properties can be defined in the Men & Mice Management Console (MMMC).
- DHCP scopes can automatically be removed from their failover relationship when being deleted.
- The ReportAccess SOAP command has been improved, so that results returned are ordered by object name.
- Deconfiguring a scope in a failover relationship no longer times out as a result of extended synchronization time with a partner server.
- When copying from tables in MMMC, a trailing return is no longer added to the last line.
- The performance of generating reverse records for multiple zones at the same time was improved.
- The dynamic DNS (DDNS) host name is now shown in scope views when applicable.
- An unresponsive service state no longer causes server menus in the Management Console to be disabled.
- Ranges that are incorrectly marked as subnets are now fixed during startup.
- A system setting has been added that allows an administrator to disable recalculation of utilization when a range is opened.
- Additional log messages are now sent to the Windows Event Log based on the current log level.
- Changes to reservations and DHCP options now avoid full replication to the failover peer.
- Truncated answers are correctly identified when checking DNS service status.
- Various improvements for agent free DNS Server Controllers.

Bugs and Issues Fixed

- A bug was fixed in the XML command GetRangeStatistics, where it was using wrong data for utilization calculations.
- A bug was fixed in functionality that included fetching address blocks for IPv6 ranges that contain the IPv4 root range.
- Tab behavior in the zone window was fixed.
- An issue was fixed where last zone transfer time would fail.
- A bug that caused Men & Mice Central to crash when logging messages during service shutdown on Linux was fixed.
- A bug that could cause Men & Mice Central to crash when attempting to apply changes to undefined DHCP options was fixed.
- An issue was fixed where Men & Mice Remote Controllers could not listen to both IPv4 and IPv6 interfaces simultaneously.
- An issue was fixed where Men & Mice Central could crash if a device entry was created with the special IP address 255.255.255.255.
- An issue was fixed where it was not possible to reconnect a re-enabled server.
- An issue was fixed where pasting into Quick Filter with Ctrl-V would sometimes result in two copies of the clipboard contents.
- An issue was fixed where mmedit and mmlock were not installed when a Bind DNS server controller was installed.
- An issue with the incorrect updating of the address scanning discovery date was fixed.
- An issue was fixed where the installer for the Linux generic controller did not find service startup scripts.

End-of-Life Announcements

There are no EOL announcements for this release.

[1]: The Men & Mice Suite does not yet support DHCPv6.

7.1.16

October 9th, 2017

Men & Mice announces the release of Version 7.1.16 of the Men & Mice Suite.

This is a maintenance release containing a couple of fixes and improvements

Improvements

- Support for CAA record type has been added on BIND nameservers

Bug fixes

- When an external command is configured for ranges and fails during range creation, a blank range will no longer be left over

7.1.15

August 23rd, 2017

Men & Mice announces the release of Version 7.1.15 of the Men & Mice Suite.

This is a maintenance release containing a single bug fix.

Bug fixes

- Leases in the BAD ADDRESS state are now handled correctly

7.1.14

June 29th, 2017

Men & Mice announces the release of Version 7.1.14 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
  - CVE-2017-3142:

    An attacker able to send and receive messages to an authoritative
    DNS server may be able to circumvent TSIG authentication of AXFR
    requests via a carefully constructed request packet.
  - CVE-2017-3143:

    An attacker who is able to send and receive messages to an
    authoritative DNS server and who has knowledge of a valid TSIG
    key name for the zone and service being targeted may be able to
    manipulate BIND into accepting a dynamic update.

7.1.13

April 12th, 2017

Men & Mice announces the release of Version 7.1.13 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
    - CVE-2017-3137: A response packet can cause a resolver to terminate when processing an answer containing a CNAME or DNAME.
    - CVE-2017-3136: An error handling synthesized records could cause an assertion failure when using DNS64 with "break-dnssec yes;"
    - CVE-2017-3138: named exits with a REQUIRE assertion failure if it receives a null command string on its control channel

7.1.12

January 12th, 2016

Men & Mice Announces the release of version 7.1.12 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in the following vulnerabilities
    - CVE-2016-9131: A malformed response to an ANY query can cause an assertion failure during recursion. See https://kb.isc.org/article/AA-01439 for more details.
    - CVE-2016-9147: An error handling a query response containing inconsistent DNSSEC information could cause an assertion failure. See https://kb.isc.org/article/AA-01440 for more details.
    - CVE-2016-9444: An unusually-formed DS record response could cause an assertion failure. See https://kb.isc.org/article/AA-01441 for more details.
    - CVE-2016-9778: An error handling certain queries using the nxdomain-redirect feature could cause a REQUIRE assertion failure in db.c. See https://kb.isc.org/article/AA-01442 for more details.

7.1.11

November 1st, 2016

Men & Mice Announces the release of version 7.1.11 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issue in CVE-2016-8864. For details, see https://kb.isc.org/article/AA-01434.

7.1.10

October 6th, 2016

Men & Mice Announces the release of version 7.1.10 of the Men & Mice Suite.

This is a maintenance release containing a fix for the updater agent for Men & Mice Central.

Fixes

- An issue in the updater agent for Men & Mice Central has been fixed. This issue caused an older version of the updater to be installed.

7.1.9

Men & Mice Announces the release of version 7.1.9 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issue in CVE-2016-2776. For more information see https://kb.isc.org/article/AA-01419.

7.1.8

Men & Mice Announces the release of version 7.1.8 of the Men & Mice Suite.

Bug fixes

- An issue was fixed where creating swap space could take more space than it should have
- An issue was fixed where errors related to the health checks, wrongfully appeared in the event log
- The performance was improved for gathering lease history
- An issue was fixed where the state of a virtual appliance was wrongly reported as Unknown instead of OK. This did not affect the basic usage of the appliance, but prevented configuration of the appliance.

7.1.7

Men & Mice Announces the release of version 7.1.7 of the Men & Mice Suite.

Bug fixes

- An issue was fixed where a deadlock could occur when external scripts are calling Central back through SOAP calls
- Optimizations were done for DNS synchronization when deleting records with custom properties
- IgnoreZones property was changed so it now only applies to master zones
- An issue was fixed where Central would sometimes fail to connect to a DNS server controller
- An issue was fixed where cached DNS master zone records in Central were unnecessarily cleared
- The performance was improved for the GetDNSRecords and SetDNSRecordAging SOAP commands
- An issue was fixed in the AD synchronization that was causing the system to incorrectly add or remove subnets
- Central now keeps connections to remotes open for a longer time in order to improve performance
- An issue was fixed where newly created DNS records were removed from the suite during a synchronisation

7.1.6

Men & Mice Announces the release of version 7.1.6 of the Men & Mice Suite.

Bug fixes

- A bug was fixed which made it impossible to edit exclusions on Cisco servers
- Inconsistencies were fixed in checks if Active Directory integrated zones are loaded before reading zone data

Improvements

- Improve performance of adding/modifying/removing DNS records in large DNS Zones
- Fix a user interface glitch in the Managment Console during horizontal scrolling
- A system setting was added to allow disabling recalculation of subnet utilization when a range is opened in the Management Console

7.1.5

April 6th, 2016

Men & Mice Announces the release of version 7.1.5 of the Men & Mice Suite.

Bug fixes

- It was not possible to disable or enable disabled DNS records when the zone had an associated slave instance
- The health check for slave zone expiry was incorrect for low SOA refresh values
- It was not possible to select individual custom fields in "Determine Address use" in System Settings
- M&M Central made excessive and unnecessary heavy updates to the database during DNS Synchronization
- It could take extremely long time to retrieve records from large IPv6 reverse zones. IPv6 reverse zones are now only retrieved with zone transfers, and aging value is not retrieved from these zones.
- It was not possible to open server options in presence of a master root zone on a MS DNS server, and it was not possible to open the master root zone
- The signed status of non-Master zones on MS DNS Servers was being checked unnecessarily, causing excessive load in certain situations
- The DNS Synchronization could be erroneously stopped under extreme circumstances

Improvements

- Users can now change their password through the Web Interface

7.1.4

March 10th, 2016

Men & Mice Announces the release of version 7.1.4 of the Men & Mice Suite.

This is a maintenance release containing a couple of bug fixes and a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in CVE-2016-1285 and CVE-2016-1286.

Bug fixes

- Check for missing glue records no longer fails if NS record refers to a record in a domain whose name ends with the zone name, but is not a subdomain of it
- A bug was fixed where the Management concole would crash when editing server options for a FreeBSD BIND server that can't determine its interfaces

7.1.3

March 3rd, 2016

Men & Mice Announces the release of version 7.1.3 of the Men & Mice Suite. This is a maintenance release containing a few bug fixes as well a bug fix in a 3rd party software on the Men & Mice appliances.

- The glibc library on the Men & Mice appliances was updated to fix the CVE-2015-7547 vulnerability
- It is now possible to disable unreachable DHCP servers
- Issues were fixed that could cause the health bar to crash MMMC under unusual circumstances

- It is no longer possible to create saved filters for AD Sites
- A bug was fixed where an AD forest could not be changed to/from read-only
- It is now possible to create forward zones on caching DNS servers

7.1.2

February 3rd, 2016

Men & Mice Announces the release of version 7.1.2 of the Men & Mice Suite. This is a maintenance release containing a few bug fixes

- The Web Interface now works for customers or users without access to DHCP
- Fixed an issue where the column sizes within ranges in the Management Console would be too small for some users after upgrading to 7.1
- Fixed an issue with installation on a fresh RHEL/CentOS Linux server, running BIND in a chroot
- Fixed an issue with all installers, were some download security checks would fail due to expired installer certificate

7.1.1

January 20th, 2016

Men & Mice Announces the release of version 7.1.1 of the Men & Mice Suite. This release contains several updates and fixes.

Appliance

- ISC BIND has been upgraded to 9.9.8-P3 on the DNS/DHCP appliance, that addresses critical security flaws in the BIND software. Click here for details.
- ISC DHCP has been upgraded to 4.3.3-P1 on the DNS/DHCP appliance, that addresses critical security flaws in the DHCP software. Click here for details.

7.1.0

January 14th, 2016

Men & Mice announces the release of Version 7.1 of the Men & Mice Suite.

Please note:

- This is a **long term support (LTS) release**. For more information on Men & Mice release strategies, please access the white paper here.

- From Version 7.1, Men & Mice Suite customers will be required to use new license keys for upgrades.

New features

Azure Support

Men & Mice now supports Azure DNS as a general DNS server in the Cloud. Support for Azure DNS further expands the range of Men & Mice Suite support for DNS Servers that are running in the cloud.

Support for Microsoft SQL Server 2014

Microsoft SQL Server 2014 is now supported as a database backend for Men & Mice Central.

A new wizard for creating scopes in DHCP

DHCP scopes can now be created with a dedicated scope creation wizard. The Scope Creation Wizard simplifies the handling of, for example, failover scopes.

The Linux installers for the Men & Mice Remote Controllers have been improved and a number of issues addressed, as well as a number of new features added. Some of the new features are, for example, a silent mode which enables the user to automate the installation of the Men & Mice Remote Controllers.

Improvements

- The Update Manager has been adapted to accommodate long term support (LTS) releases. Users can now select if they only want to see LTS release notifications in the Update Manager.
- Health bar improvements
    - Viewing errors and error descriptions has been improved. All health messages are now shown in one hierarchal view.
    - Messages in the health window are now refreshed whenever health data changes.
    - Database size warnings are now shown in the health bar.
    - Time stamps for indicators are now shown in the health bar.
    - Server status checks have been improved.
    - It is now possible to copy health messages to the clipboard.
    - Ignored health messages are now hidden in the error list window.
    - When an update agent is not running on the Central server, a system health notification will be displayed in the Health bar.
- SNMP/Router support improvements
    - When an SNMP scan is initiated from the GUI, the scan button is disabled while the scan is running.
    - Routers are now scanned in parallel when doing an SNMP scan.
- Improvements on the First Use Wizard
    - DHCP servers are located by using authorized servers in the Active Directory (AD).
    - DNS is used to locate domain controllers.
    - Improved usability: a user can now paste in all license keys at once instead of having to paste them in one at a time.
- One or multiple servers can now be disabled from within the Men & Mice Suite.
- Appliance software upgraded
    - Upgraded BIND on appliances to 9.9.8-P2
    - Upgraded Unbound on appliances to 1.5.4.
    - Upgraded ISC DHCP on appliances to 4.3.3.
- Performance has been improved for DHCP lease history gathering.
- The Management Console now shows the Men & Mice Suite version in the title bar.
- An error is no longer indicated if a user deletes an A/AAAA record whose PTR record is in a zone that that user doesn't have access to.
- Scope monitoring is now more intelligent when dealing with disabled scope instances in superscopes.
- Option ID validation when defining new DHCP options has been improved.
- Men & Mice Central now prints a warning in the log file if threads are taking too much time.
- A potential crash in a zone window when loading large zones has been fixed.
- The DNS view name is now shown, when applicable, in the Web's IP properties and Host Edit dialog.
- The "Define DHCP Options" dialog is now resizable.
- Default BIND config on appliances no longer reveals the host name when asked for hostname.bind.
- Increased user-friendliness of the Update Status dialog.
- It is now possible to use a comma-separated list of email addresses in the SetSubnetMonitoring SOAP command.
- A list of zone instances has been added to the right-click menu in the zone list.
- The "authority" column for the non-master zones to show the server hosting the zone, and not the master server, has been changed.
- UI improvements: A new font has been introduced in the Management Console.
- A check has been added to make sure that NS records in static zones have corresponding A/AAAA records.
- Crash dumps are now enabled by default in Central and all remotes.
- When AD zones are created, slave instances aren't created by default.
- The lease duration default value is now set to "Unlimited" when opening properties for a scope with option 51 set to 0 on Microsoft DHCP servers.
- Aging values are now shown in the IPAM view.
- It is now possible to copy messages from error dialogs by simply right-clicking the text.
- The Management Console is more intelligent when determining the initial size of columns in lists and trees.
- The "Show multiply defined PTR records" maintenance task now ignores scavengable records.
- Changes have been made to how the Update Agent updates itself on Windows.
- A warning is displayed in the health bar when DHCP pools in split scopes do not have the same start and end IP address.
- Double clicking Key and Zone signing keys now opens the edit dialog.
- Microsoft scopes with no name are now synced with CIDR as the name on the initial sync.
- Potentially sensitive system settings are no longer sent to the web user interface.

Bug fixes

- An issue was fixed where the DHCP synchronization thread would remove newly created objects from the Suite.
- An issue was fixed where the global scope monitor could not be used for static parts of scopes.
- An error in the health bar is now shown when a router is inaccessible.
- Lists in the Management Console now scroll correctly when a user navigates with the keyboard.
- A bug was fixed where a DHCP scope could be placed in a Cloud network.

- An issue was fixed where it was not possible to add DNS or DHCP remotes to the Suite on an alternative port number.
- A bug that made it impossible to migrate DHCP Scopes from backups was fixed.
- It is now possible to create NAPTR records in dynamic zones.
- The editing of DHCP options on Cisco routers was fixed.

End-of-life announcements

- OS X is not supported for Version 7.1. See Discontinuation of OS X development.
- Future end-of-life (EOL) announcements for all older releases will be made according to the Men & Mice EOL policy. See the Men & Mice Release Strategy White Paper for more information.

6.9.2

December 16th, 2015

Men & Mice Announces the release of version 6.9.2 of the Men & Mice Suite. This release contains several updates and fixes.

Appliance

- BIND has been upgraded to 9.8.8-P2 on the DNS/DHCP appliance, that addresses critical security flaws in the BIND software. Click here for details.

Improvements

- Improve the performance of the SNMP discovery by polling multiple routers at the same time in parallel
- Add DHCP failover column and DHCP failover awareness in Scope Statistics to Web Interface

Bug fixes

- Fix an issue where DHCP servers with associated DHCP Failover relationships could not be removed (issue introduced in 6.9.1)
- Service status for Unbound DNS servers is now correctly detected
- Scope conflicts should now be correctly detected during scope creation
- Fixed an issue where the Management Console could crash under certain circumstances due to the new health bar
- Various bug fixes related to Change Request related API calls

6.9.1

13. November 2015

Men & Mice Announces the release of version 6.9.1 of the Men & Mice Suite. This release contains several updates and fixes.

Updates and fixes in this release

- An issue was fixed where removing multiple roles at a time would cause Men & Mice Central to lock-up
- An issue was fixed with using keyboard shortcuts for copying data to the jump to field in the management console
- The system health monitoring can now disabled in Advanced system settings
- An issue was fixed where the DHCP server controller could get stuck when communicating to a specific service on a Windows server
- An issue was fixed where the licence count was wrongly calculated.
- Requests sent at connection time from Central to remotes will now time out after 5 minutes
- A problem was fixed where discovery would not start on scheduled time
- The Allocation Wizard now handles creating discovery schedules correctly
- The Allocation Wizard now correctly calculates available space beyond last subrange
- Fixes an issue where the DHCP server controller could crash under certain circumstances
- Optimizations were done regarding DHCP lease history gathering

6.9.0

September 17th 2015

Men & Mice Announces the release of version 6.9 of the Men & Mice Suite.

New features

Health monitoring

Health monitoring collects and displays the current status and performs various checks on the system. The purpose of the system is to monitor the Men & Mice Suite and related components and services (DNS and DHCP servers) and indicate if there is a problem, and more importantly where in the system the problem exists.
This information is displayed to the administrator user with a so called health bar where each status can be in one of three states: normal (green), warning (yellow) and error (red). By clicking on an indicator status that is either a warning or an error, an administrator can act on the warning or error and get more details on the reason for the status.
The health bar is always visible and minimized at the bottom of the Management Console screen and is therefore non-intrusive. It can be expanded to obtain more details.

Virtual Routing and Forwarding (VRF) support

Virtual Routing and Forwarding (VRF) allows multiple instances of routing tables to coexist in a single router and work together in such a way that the IP addresses can be re-used and therefore they do not conflict with each other.
In general, the Men & Mice communicates with routers for the subnet and host discovery functionality. Now, the Men & Mice Suite supports communicating to VRF enabled routers.

DHCP synchronization performance

DHCP synchronization can now utilize worker threads for synchronizing with more than one server at a time in parallel. This can improve performance greatly when the number of DHCP server is high.

Improvements

- Detailed progress information added to login window in management console
- Subnet discovery information now has a gateway column indicating a gateway
- Subnet discovery information now shows the creation time for ranges
- Subnet discovery information now shows the VLAN ID as well as the interface name and interface description
- Subnet discovery is now VRF aware
- Men & Mice Central now logs to a startup log
- Reverse record management has been split into a wizard to create reverse zones and a menu command to update them
- Warning triangles in the manager window are now based on health monitoring data
- Unbound upgraded to 1.5.3 on the DNS/DHCP appliance
- BIND on appliance upgraded to 9.9.7-P3 due to vulnerabilities fixed by ISC. For more details, see 6.8.2 and 6.8.4.
- It is now possible to copy server names through a context menu

Bug fixes

- Empty serial string is not assumed to be a valid serial number when doing network and address discovery
- Error messages containing very large words are no longer truncated in dialogs
- An issue was fixed, where invalid DNS records containing tabs could be added though the SOAP interface.
- Calculations for subnet usage was not always checking if broadcast and network addresses should be excluded or included
- Address usage for ranges was not correctly calculated
- New zone signing keys are now removed if error occurs when signing a zone
- Attempting to change the directory portion of signed AD Zones caused errors
- Fixed issue where addresses were offset by 1 in subranges of scopes if subrange contained network address of scope
- Fixed duplication of reservations in memory due to missing unique constraint in database
- Fixed check for whether licenses are exceeded so that check uses real stats and is not just performed at startup
- Fixed code which assigned license nag strings to actually nag about exceeded licenses
- Fixed an issue were reservations were incorrectly added to the suite under certain conditions
- Signal handling on Linux was reworked to prevent deadlocks
- Fixed an issue where lease history gathering was not working properly on some Windows machines

End-of-life announcements

- Solaris platform is only supported for the DNS and DHCP controllers
- Windows Server 2003 is not supported any more.

6.8.13

Men & Mice Announces the release of version 6.8.13 of the Men & Mice Suite.

This is a maintenance release containing a fix in the DHCP Server Controller

Fixes:

- In DHCP Failover scopes on MS DHCP Servers, reservation options are now properly replicated to the failover partner

6.8.12

March 16th, 2016

Men & Mice Announces the release of version 6.8.12 of the Men & Mice Suite.

This is a maintenance release containing performance and stability improvements for M&M Central and Management Console

Improvements:

- Drastically improve the time it takes to configure/de-configure DHCP Failover for scopes on servers with a large number of scopes.
- When removing DHCP Scopes, it's no longer necessary to manually de-configure the failover first

6.8.11

March 10th, 2016

Men & Mice Announces the release of version 6.8.11 of the Men & Mice Suite.

This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

Appliance

- BIND on the appliances has been patched to address the issues in CVE-2016-1285 and CVE-2016-1286.

6.8.10

March 3rd, 2016

Men & Mice Announces the release of version 6.8.10 of the Men & Mice Suite. This is a maintenance release containing a bug fix in a 3rd party software on the Men & Mice appliances.

- The glibc library on the Men & Mice appliances was updated to fix the CVE-2015-7547 vulnerability

6.8.9

February 3rd, 2016

Men & Mice Announces the release of version 6.8.9 of the Men & Mice Suite. This is a maintenance release containing a few bug fixes and improvements

- The Web Interface now works for customers or users without access to DHCP
- Fixed an issue with all installers, were some download security checks would fail due to expired installer certificate
- Fixed a performance issue where opening IP address details or retrieving IPAMRecord for an IP address with a very large number of DNS records, would take a very long time
- Fixed an issue where users would not be able to login, open DNS Zones, or list or view any Range while another Range or DHCP Scope was being created or modified

6.8.8

Men & Mice Announces the release of version 6.8.8 of the Men & Mice Suite. This release contains several updates and fixes.

Appliance

- ISC BIND has been upgraded to 9.9.8-P3 on the DNS/DHCP appliance, that addresses critical security flaws in the BIND software. Click here for details.
- ISC DHCP has been upgraded to 4.3.3-P1 on the DNS/DHCP appliance, that addresses critical security flaws in the DHCP software. Click here for details.

6.8.7

Men & Mice Announces the release of version 6.8.7 of the Men & Mice Suite

Appliance

- BIND has been upgraded to 9.8.8-P2 on the DNS/DHCP appliance, that addresses critical security flaws in the BIND software. Click here for details.

Improvements

- DHCP failover relationships are now cached in Central - significantly improving login time in environments with many DHCP servers
- DHCP Backup is now done separately from the DHCP Synchronization
- Add DHCP failover column and DHCP failover awareness in Scope Statistics to Web Interface

Bug fixes

- Fixed duplication of reservations in memory due to missing unique constraint in database
- When de-configuring a DHCP scope from DHCP failover, one of the scope instances is now disabled or removed
- Records are no longer being deleted and re-added when only TTL is changing
- Various bug fixes related to Change Request related API calls

6.8.6

Men & Mice Announces the release of version 6.8.6 of the Men & Mice Suite.

Updates and fixes in this release

- Fixes an issue where the DHCP server controller could crash under certain circumstances
- Fixes an issue where the M&M Central could crash under certain circumstances when adding dynamic records to an AD zone via the API
- Fixes an issue where the DNS Server Controller would not respond on Domain Controllers with a large number of AD integrated zones
- Optimizations were done regarding DHCP lease history gathering
- External changes in AD Sites and Subnets are now logged in Range history

6.8.5

Men & Mice Announces the release of version 6.8.5 of the Men & Mice Suite.

Updates and fixes in this release

- A problem was fixed where some lease history files where not read on a Windows DHCP server
- A problem was fixed where the DHCP Server Controller would get stuck trying to open a RPC connection on Windows
- A problem was fixed where discovery would not start on scheduled time
- The Allocation Wizard now correctly calculates available space beyond last subrange
- The Allocation Wizard now handles creating discovery schedules correctly
- Requests sent at connection time from Central to remotes will now time out after 5 minutes

6.8.4

September 2nd 2015

Men & Mice Announces the release of version 6.8.4 of the Men & Mice Suite.

Updates and fixes in this release

- A vulnerability was found in the DNS server software for the DNS/DHCP appliances which has been patched and fixed. For details refer to CVE-2015-5722 and CVE-2015-5986.

6.8.3

July 29th 2015

Men & Mice Announces the release of version 6.8.3 of the Men & Mice Suite.

Updates and fixes in this release

- A vulnerability was found in the DNS server software for the DNS/DHCP appliances which has been patched and fixed. For details refer to CVE-2015-5477.
- A problem was fixed where backing up an SQLite database through Men & Mice CMD would lock up the database.
- A problem was fixed where reservations were created incorrectly on Cisco DHCP servers.

6.8.2

July 7th 2015

Men & Mice Announces the release of version 6.8.2 of the Men & Mice Suite.

Updates and fixes in this release

- A vulnerability was found in the DNS server software for the DNS/DHCP appliances which has been patched and fixed. For details refer to CVE-2015-4620.
- A bug was fixed where a zone transfer was in some cases interrupted in a dynamic zone signed with TSIG.

6.8.1

16. June 2015

Men & Mice Announces the release of version 6.8.1 of the Men & Mice Suite. This release contains several updates and fixes.

Updates and fixes in this release

- Enabling scavenging for records now works for all DNS records in AD integrated zones
- Fixed a bug in the Web Interface where an IP address could not be edited if it had a dynamic DNS record
- Fixed a bug where doing a bulk change of DHCP Scope properties could remove subnets from their AD Site
- Converting a lease to a reservation in a MS DHCP Failover scope no longer fails under certain circumstances
- DNS records of non-master zones are no longer being cached in Central

- No longer show DHCP Leases which the DHCP server is in the process of deleting
- GetRanges and related SOAP commands have been optimized by reducing number of database queries

6.8.0

27. April 2015

Men & Mice Announces version 6.8 of the Men & Mice Suite

Version 6.8 of the Men & Mice Suite contains a number of new features and enhancements.

Features

Subnet Discovery

The Subnet Discovery feature uses SNMP to import and synchronize subnets managed by network routers. Information such as Interface ID (VLAN ID), Interface description, Gateway, and the router name is frequently synchronized and made available in the Men & Mice Suite. This not only reduces the need to import subnets manually into Men and Mice, but keeps the information up to date without manual input.

Support for Unbound Caching DNS Servers

The management functionality of the M&M Caching appliance has been extended to Unbound Caching DNS servers in general, as long as they run on any of our supported Linux operating systems. Unbound servers are simply added to the M&M Suite as any other of our supported DNS servers.

Linux 64-bit support

Native 64-bit support for Linux in the Men & Mice Suite will eliminate the need for any compatibility libraries and therefore installing to a 64-bit system will now be an easier task. This will also allow Men & Mice Central to allocate more memory and therefore will enhance the performance.

Improved support for DNSSEC on Windows 2012

The DNSSEC support on Windows 2012 has been improved, adding support for key-rollover management, as well as the ability to edit the signing parameters.

First Use Wizard

The first use wizard makes it easier for the user of the Men & Mice Suite to get started using the management solution. The First Use Wizard now probes the Active Directory to automatically add DNS and DHCP servers as well as subnets in Active Directory sites.

The first use wizard discovers
- DNS servers
- DHCP servers
- AD subnets

When starting the management console for the first time, the user is presented with a series of dialogs which guide him through adding servers and subnets to adding license keys.

Improvements

- The Reverse Zone update wizard can now partially update a reverse zone
- Search functionality has been added to the advanced DNS/DHCP server dialogs
- System log on central running a MSSQL database now always retrieves the newest entries when opened in MMMC.
- Men & Mice Linux installers now support systemd integration.
- Host discovery and ARP cache scan can now be run on demand
- Improved information about version numbers of the Men & Mice Suite shown in the update manager and help dialog
- Various appliance improvements
    - ISC DHCP server upgraded to version 4.3.2
    - Various stability and security enhancements for appliance platform
- User, group and role management has been improved
- Improved handling of failover relationships on Microsoft DHCP servers

Bug fixes

- Address usage is now correctly updated when scopes are deleted and DHCP servers removed

- A problem with handling extraneous PTR records in the SOAP API has been fixed
- A problem with reloading zones on BIND 9.10 has been fixed
- A problem with a memory leak for connections to Cisco DHCP servers has been fixed
- A problem with enabling/disabling DNS records has been fixed
- A display problem for read-only custom properties has been fixed
- A problem where parts of an allow-update statement in BIND were overwritten has been fixed
- A problem where users could not define DHCP options on Microsoft DHCP servers was fixed
- A couple of issues with managing DHCP failover configuration were fixed
- A problem where a ISC DHCP lease file was incorrectly parsed has been fixed
- A permission issue in the Unix/Linux installers has been fixed
- An issue where an authentication could fail if an AD user was in too many AD groups has been fixed

Other

- The Men & Mice Command Line Interface (mmcmd) will soon be deprecated. An end of life message is now being shown when using the command as a reminder.

Men & Mice customers can get version 6.8.0 here

6.7.9

August 10th 2015

Men & Mice Announces the release of version 6.7.9 of the Men & Mice Suite.

Updates and fixes in this release

- A vulnerability was found in the DNS server software for the DNS/DHCP appliances which has been patched and fixed. For details refer to CVE-2015-5477.
- An issue was fixed, where invalid DNS records containing tabs could be added though the SOAP interface.

6.7.6

19. February 2015

Men & Mice Announces the release of version 6.7.6 of the Men & Mice Suite. This release contains a single update.

Updates and fixes in this release

- A vulnerability was found in the DNS server software for the DNS/DHCP appliances which has been patched and fixed. For details refer to CVE-2015-1349.

6.7.5

19. January 2015

Men & Mice Announces the release of version 6.7.5 of the Men & Mice Suite. This release contains a single update for the Men & Mice appliances.

Updates and fixes in this release

- Under specific circumstances, the syslog process on the appliances could stop running. This fix makes sure that the syslog process is running at all times.

6.7.4

15 December 2014

Men & Mice Announces the release of version 6.7.4 of the Men & Mice Suite. This release contains several updates and fixes.

Updates and fixes in this release

- It is now possible to check for updates through a web proxy
- A new web task to bulk import data
- The MacOS X installer uses launchctl to start the services
- The access control dialog is now resized on smaller displays
- The installer on Linux/Unix now supports installation of the Generic DNS Server Controller
- Loading of users and groups when Men & Mice Central is started is optimized
- Due to the "POODLE" vulnerability, the SSLv3 protocol is now disabled on the Men & Mice appliances
- It is now possible to use the "Fix..." functionality to fix reservation mismatch in an ISC failover setup

6.7.3

8. December 2014

Men & Mice Announces the release of version 6.7.3 of the Men & Mice Suite. This release contains several updates and fixes.

Updates and fixes in this release

- A vulnerability was found in the software for the Caching appliances which has been patched and fixed.
- A vulnerability was found in the software for the DNS/DHCP appliances which has been patched and fixed.

6.7.2

25 November 2014

Men & Mice Announces the release of version 6.7.2 of the Men & Mice Suite. This release contains several updates and fixes.

Updates and fixes in this release

- It is now possible to select "Edit server name" for unresponsive appliances
- HTML reserved characters in custom filter names are now rendered correctly in the web UI
- When asking if the Management Console should be updated, version numbers to upgrade from and to are no longer reversed
- Fixed an issue where the Windows installer for Men & Mice Central didn't always replace binaries for the service
- Re-introduced "Free" column to range/scope list
- Fixed issue where DHCP group location for ISC DHCP servers was always reported as being outside of any subnet
- Fixed issue where certain DHCP options didn't work properly on Microsoft DHCP
- Editing list of preferred servers now works correctly for multi-forest AD zones
- When a reservation with a lease is deleted, the lease is now shown correctly in the UI
- Migrated scopes are now disabled correctly if the user requests it
- it is now possible to duplicate zones on generic DNS servers
- Management Console now prompts for save comment when adding slave, stub and forward zones
- Various performance and stability enhancements

6.7.1

15 October 2014

Men & Mice Announces the release of version 6.7.1 of the Men & Mice Suite. This release contains several updates and fixes.

Updates and fixes in this release

- A bug was fixed where it was not possible to add TXT records in AD Integrated zones or static zones that were managed agent free

⚠ **OS X Yosemite support**. Due to changes in the startup mechanism of the OS, the previous startup scripts do not work. Therefore we do not currently support OS X Yosemite.

6.7.0

Men & Mice Announces version 6.7 of the Men & Mice Suite

Version 6.7 of the Men & Mice Suite contains a number of new features and enhancements.

Features

- Remote syslog support for the DDI appliances. Allows an appliance administrator to configure the DDI appliance so that it sends log files to a remote *syslog* server. Supports UDP/TCP and IPv4/IPv6.
- Generic DNS Server Support. This feature makes it easy for the Men & Mice Suite to be integrated with all kinds of DNS servers, such as PowerDNS and Route53.
- Service monitoring. The first stage in service monitoring involves the monitoring of the crucial DNS and DHCP services that are being run on the managed servers. The Management console will indicate when a service goes down.
- Support for the TLSA record type. The TLSA record is a record for DNS-based Authentication of Named Entities (DANE). It is used to associate a TLS server certificate with the domain name where the record resides.
- Support for AD integrated stub and forward zones

Improvements

- Roles have been created in order to make access control and user management more easy. In addition to a set of built-in roles, it is easy to create new roles and assign users or groups to them.
- Creating and managing reverse zones has been improved.
- Improved user experience. The "Jump to" feature has been made more accessible which enables easier access to various objects in the Men & Mice Management console.

Men & Mice customers can get version 6.7.0 here

6.6.2

Men & Mice Announces the release of version 6.6.2 of the Men & Mice Suite. This release contains several updates and fixes.

Don't have version 6.6 yet?

Take a look at the new features in the Men & Mice Suite 6.6 Release Notes and see what you are missing out on!

Updates and fixes in this release

- Fixed bug that made it impossible to edit DNS records through the web interface in version 6.6.1
- Online help in the web interface should now always display the correct help page
- Users without IPAM license should no longer be denied access to certain DNS records because of IPAM access restrictions
- DNS Server Controller for BIND no longer overrides global zone transfer restrictions when attempting to allow zone transfers to localhost
- Search and Update wizard no longer clips search results that are too wide to show in the wizard dialog

6.6.1

Men & Mice Announces the release of version 6.6.1 of the Men & Mice Suite. This release contains several updates and fixes.

Updates and fixes in this release

- Improved stability when working with Cisco DHCP servers
- Various improvements to the appliance backup/restore feature
- The TXT record data dialog box now always appears when the Edit button is clicked
- It is now possible to manage TXT records with more than 255 characters on BIND servers through the Management Console
- Access to Devices and Interfaces is no longer limited by or related to access to IP Address Ranges
- Zone transfer restrictions are no longer being set/overridden on new zones on BIND servers
- Active Directory specific resource records are no longer editable
- Various performance and stability enhancements

6.6.0

15. May 2014

Men & Mice Announces version 6.6 of the Men & Mice Suite

Version 6.6 of the Men & Mice Suite contains a number of new features and enhancements.

Important

> ⊘ If you are using Linux DNS/DHCP servers that are running an old and unsupported OS (i.e. RHEL 4.x or older, SuSE 9.x or older, or Ubuntu 9.x or older), these servers can no longer be managed after upgrading to Men & Mice Suite version 6.6. Please upgrade the OS on these servers before upgrading Men & Mice

Features

- **Utilization of static subnets displayed in the Management Console and the Web UI**
  Real-time utilization of static subnets is now displayed for static subnets in the user interfaces, which allows users and administrators to quickly see the utilization percentage of the subnets. The utilization information can be copied out from the console for easy reports and the users can furthermore sort and filter by the utilization. Filtering of the utilization can be combined with other filters so the user can, as an example, get a list of all subnets of a specific size, or of a specific type that are more than 85% utilized.
- **Smart-filters**
  In previous versions of Men & Mice the user could save filters, which would appear on the left side panel in the Management Console. When the filter was applied, the user wouldn't see the exact filter statement; he would only see the results. Now the filters have become much more powerful. The user can save filters and place them in "smart"-folders and they will now appear in the left-side view below the object type they apply to. The user can also right-click the filter, change its name and the filter statement. Filters created by the "administrator" user are global, i.e. they are visible by all users.
- **Support for RPZ, aka DNS Firewall**
  Men & Mice now support the Response Policy Zone framework in BIND, which is the underlying mechanism of DNS Firewalls. Administrators can create and define RPZ zones with Men & Mice or, via the tool, configure the DNS servers to subscribe to RPZ feeds from trusted sources.
- **SNMP Profiles and SNMPv3**
  Multiple SNMP profiles can now be created in the tool. This allows enterprises with complex networks that wish to use Men & Mice to pull discovery information from routers that belong to different security realms to create a profile for each realm. With the addition of SNMPv3, profile can be for version 1, 2c or 3 and can contain different settings, such as authentication and community strings.
- **Appliance diagnostic access**
  The Men & Mice Appliances, both DDI and Caching, now have a read-only diagnostic shell access that can be used to run troubleshooting commands (such as dig, drill, etc) and to gather information and logs from the appliances. The access is read-only so no changes can be made to the configuration or data on the appliances using the diagnostic access.
- **Backup and restore of appliances**
  Men & Mice Central now stores a backup of full configuration and data from all the managed appliances. Full backups are taken daily and incremental backups are taken each time a change is made on the appliances. If an appliance becomes unavailable for some reason, a new appliance can be configured with the same IP address as the unavailable appliance and all configuration, including DNS and DHCP data, network configuration and other settings is restored from the backup to the new appliance making it identical to the unavailable appliance.

Improvements

- Access can now be set for the DNS Analysis feature

- Access can be set for management of DNS Wildcard records
- Various performance and stability enhancements.

Men & Mice customers can get version 6.6.0.100 here

6.5.0

10. February 2014

> ⓘ **Note**
> Version 6.5.x requires 6.3 activation keys. If you are upgrading from an older version (<= 6.2), make sure that you have obtained the correct activation keys before installing the new version.

Features

- The Men & Mice Suite can be configured to run in High Availability mode. When running in High Availability mode, multiple copies of Men & Mice Central can be running and at any given time one of them will be the active instance. If the active instance fails, one of the other Centrals will assume the active role and all clients, whether be regular user interfaces or script APIs will automatically fail over to the new Central.
- OpenStack support. It is possible to add and manage OpenStack clouds from within the Men & Mice Suite. When an OpenStack cloud has been added to the Men & Mice Suite it is possible create cloud networks and add subnets to cloud networks.

Improvements

- Improved support for Windows Server 2012 R2.
- Various performance and stability enhancements.

6.4.5

November 20th, 2013

> ⓘ **Note**
> Version 6.4.x requires 6.3 activation keys. If you are upgrading from an older version (<= 6.2), make sure that you have obtained the correct activation keys before installing the new version.

Features

- The DNS Caching Appliance is now a part of the Men & Mice Suite and all configuration of the DNS Caching Appliance is now done from within the Men & Mice Suite
- The Update Manager can now update Men & Mice Central
- The new Jump To Box allows users to quickly access various objects directly by typing the object name in the Jump To Box
- It is now possible to configure Anycast (OSPF and BGP) on the DNS/DHCP Appliance
- Configuration of Advanced DHCP options for the ISC DHCP server has been added

Improvements

- The DNS/DHCP Appliance is now running BIND 9.9.4 with the RRL option enabled
- The ISC DHCP server on the DNS/DHCP Appliance has been updated to version 4.2.5-P1
- The performance of the DHCP server on the DNS/DHCP Appliance has been improved significantly when generating leases
- Various stability and performance improvements

Older versions

For older versions (<= 6.4.5), see ftp://ftp.menandmice.com/pub/mmsuite/current/ReleaseNotes.txt