



Edge Device Manager R15

Release Notes

Software releases are created to add new features, make enhancements or correct defects. These releases are tested on all current, actively shipping platforms and operating systems as applicable. The release notes contain details on the supported platforms, changes in the configuration settings and licensing details. The bug fixes along with the workarounds are documented in the release notes. Any changes in the feature functionality from an end-user perspective are listed with the description of each feature at a high level.

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Release type and definition

Edge Device Manager is the next generation management solution for Edge Gateway devices and Embedded PCs that offers advanced feature options such as public versus private cloud deployment, manage-from-anywhere via a mobile application, enhanced security such as BIOS configuration and port lockdown. Other features include device discovery and registration, asset and inventory management, configuration management, applications deployment, real-time commands (wake-on-LAN, shutdown, restart and so on), monitoring, alerts, reporting, and troubleshooting of endpoints.

NOTE: Wyse Management Suite UI will be re-branded to Edge Device Manager (EDM) after a valid license has been imported.

The following information should be considered for selecting the EDM R15 Public vs Private cloud (On-Premise) editions:

Private cloud

This edition is suited for users with the following requirements:

- Small, medium, or large deployments
- Want to install and maintain software and infrastructure on-site.

NOTE: Devices must be isolated from the Internet (no communication through a forward-proxy service)

Public cloud

This edition is suited for users with the following requirements:

- Small, medium, or large deployments
- Want convenience and cost savings of not having to set up and maintain infrastructure and software.
- Devices can be configured to communicate with external server either directly or through a forward-proxy service.
- Need to manage devices on non-corporate networks (home office, third party, partners, and so on)

Edge Device Manager public (SaaS) and private cloud

- Edge Device Manager is available in a SaaS (public cloud) model or it can be installed in your organization's corporate network or private cloud, to manage the devices.
- You can access public cloud (SaaS) edition of product by pointing your web browser to the following links:
 - US Datacenter: <https://us1.wysemanagementsuite.com/>
 - EU Datacenter: <https://eu1.wysemanagementsuite.com/>
- Private cloud edition of the product is available for download from the [Dell Digital Locker](#).

Edge Device Manager licensing

- Single Edge Device Manager license can be used to manage devices registered in public or private cloud.
- The organization administrator has the option to move license seats between public and private cloud installations.
- As Edge Device Manager license is subscription-based, timely renewals are required for software updates.

Feature list

- Highly scalable solution to manage Edge Gateway devices and Embedded PCs
- Group-based management
- Multi Level Groups and Inheritance
- Configuration Policy management
- View effective configuration at device level after inheritance
- Application policy management
- Asset, Inventory and Systems management
- Automatic Device discovery
- Real-time commands
- Smart Scheduling
- Alerts, Events and Audit logs Secure communication (HTTPS)
- Manage devices behind firewalls
- Mobile App
- Alerts via Email and Mobile app
- Delegated Administration
- Dynamic group creation and assignment based on device attributes
- Two-factor authentication
- Active directory authentication for role based administration
- Multi-tenancy
- Enterprise Grade Reporting
- Multiple repositories
- Enable/Disable HW ports
- BIOS configuration



New features

Private cloud Edge Device Manager installer

- New, simple and powerful private cloud installer to install all the required components to run Edge Device Manager within 5 minutes.
- Edge Device Manager installer can be installed on Windows 2012 R2 standard and Windows 2016 Standard servers.
- Private cloud installer deploys all the components required to support the Edge Device Manager functionality. Following Windows services are installed after successful installation of product:
 - Wyse Management Suite: Tomcat Service – Application Server that hosts Edge Device Manager application.
 - Wyse Management Suite: MariaDB – Relational Database for structured data and normalization.
 - Wyse Management Suite: MongoDB – No-SQL Database for performance and scalability.
 - Wyse Management Suite: Memcached – An application to launch the server faster.
 - Wyse Management Suite: Mosquitto – Used for push notifications to devices.
- Installer will configure the local repository to store application at the chosen path.

Getting Started Wizard (private cloud)

The Getting Started wizard allows you to select the Licensing model and optionally configure Edge Device Manager to enable email alerts and import certificate for secure communications.

Edge Gateway 3001/3002/3003 support - Windows

- Added support for Edge Gateway 3001/3002/3003 with Windows 10 2016 LTSB.
- All the existing Windows Edge Gateway functionalities will be supported for these new platforms as well.
- The latest agent must be used for complete EDM support.

 **NOTE:** This release supports OEMR Windows Edge Gateway 3000 series devices.

Edge Gateway 3001/3002/3003 support - Ubuntu Core 16

- Added support for Edge Gateway 3001/3002/3003 with Ubuntu Core 16.
- All the existing snappy Edge Gateway functionalities are supported for these new platforms as well.
- Applications are fetched from the new app store.
- The latest agent must be used for complete EDM support.

 **NOTE:** This release supports OEMR Ubuntu Core 16 Edge Gateway 3000 series devices.

Edge Device Manager Mobile App

Edge Device Manager Mobile app available for Android and iOS devices allows administrator to manage and monitor devices from anywhere in real-time.

Following features are available through the mobile app.

- 1 View Dashboard, Device summary, Alerts, Jobs and Events.
- 2 Execute real time commands.



Alerts through Mobile App and Email

- Administrator can configure Edge Device Manager to receive critical, warning, and informational alerts through Mobile App and/or Email.
- Admin can set the alert classification for each available alert from the Edge Device Manager console.

Device-Auto grouping capabilities

The administrator can create rules to automatically create groups or assign devices to existing groups, based on device attributes such as subnet, time zone, location, and custom values.

Wyse Management Suite Repository

- Wyse Management Suite Repository is a new component to store, manage and deploy application and OS images to your thin clients.
- Wyse Management Suite Repository replaces legacy on-premise gateway.
 - In addition to new features, it is recommended that you **replace** legacy on premise gateway with Wyse Management Suite Repository for significant performance gains for existing features.
 - Please note that you cannot upgrade legacy on-premise gateway to the new Wyse Management Suite Repository.
- Supported on Windows 2012 R2 and Windows 2016 standard server.

 **NOTE:** A local repository is automatically created as part of Wyse Management Suite Server installation.

Simplified reporting

Ability to view data based on predefined filters and the ability to export predefined canned report. Reports for the following information are available:

- Active App policies
- All App policies
- Unmanaged devices
- Online devices
- Offline devices
- All devices
- Audit Logs
- Current Alerts
- Alert History
- Group Policies
- Application Policies
- Remote Connections
- Remote Commands

Active Directory integration

Edge Device Manager supports import of Admin User names from Active Directory, which enables authentication through Active Directory.

Edge Device Manager server Setup from the Portal Admin

Following Server configurations can be done from the setup page:

- Enabling the CA validation
- Updating the SMTP details
- Updating the Domain/Well known certificate Authority details.(.pem and .pfx certificates can be uploaded)
- License can be imported from the Public cloud server.

Show device offline/online status

- Admin can filter devices by the online/offline status from the Device page.
- Admin can view the online/offline status from the device details page.
- Admin can export the online/offline status as part of the device export functionality.

Filter enhancements

- Filtering based on Subnet, OS Type and Platform is added on the device page.
- Filtering based on Device Types, Status and Detail status is added on the Jobs page.

Edge Device Manager localization (Preview)

- Edge Device Manager supports switching between English and Canadian French.

Simplified registration

Simplified registration is supported on Edge Gateway devices and Embedded PCs.

- For a public cloud deployment, register your devices by providing the Edge Device Manager URL and the group token. You do not have to supply the MQTT server URL.
- For a private cloud deployment, register your devices by providing the Edge Device Manager URL and optionally a group token. Group token is an optional parameter in a single tenant private cloud server and the devices are registered to the unmanaged groups if the group token is not provided.

Discover Edge Gateway/Embedded PC using DNS SRV records

Auto discover Edge Device Manager server using the DNS SRV record with following info:

- Edge Device Manager Server URL
 - DNS Record Type : DNS SRV
 - Record Name : _WMS_MGMT._tcp.<Domain>
 - Example : Edge Device Manager-betaserver.Dell.com
- Group Token
 - DNS Record Type : DNS Text



- Record Name : _WMS_GROUPTOKEN.<Domain>
- Example : defa-defadefa
- CA Validation
 - DNS Record Type : DNS Text
 - Record Name : _WMS_CAVALIDATION.<Domain>
 - Example : True

Server details

- EDM Server: 1.0.0.36801
- EDM Repository: 1.0.0.36801
- Browser:
 - Internet Explorer version 11
 - Chrome version 58.0 and later versions
 - Firefox version 52.0 and later versions
 - Edge browser on Windows 2016 (English only)

Windows 2012 Server configuration requirement

- Minimum requirements for the Wyse Management Suite operations are as follows:
 - Supported Operating System – Windows server 2012 R2
 - Minimum CPU requirements – 4 CPU
 - Minimum Disk Space –40 GB
 - Minimum Memory (RAM) – 8 GB
- For 50K+ devices
 - Supported Operating System – Windows server 2012 R2
 - Minimum CPU requirements – 4 CPU
 - Minimum Disk Space –120 GB
 - Minimum Memory (RAM) – 16 GB

Windows 2016 Server configuration requirement

Minimum requirements for the Wyse Management Suite operations are as follows:

- Supported Operating System – Windows server 2016.
- Minimum CPU requirements – 4 CPU
- Minimum Disk Space –40 GB
- Minimum Memory (RAM) – 8 GB
- Supported browsers:
 - Firefox version 52.0 and above
 - Chrome version 58.0 and above
 - Internet Explorer version 11



Software information

Table 1. Software information

File Name	Description
DellWinGwAgent_2.3.0.61_x64.exe	WDA package for Dell Edge Gateway
ccm-wda_3.00.0.37334_amd64.snap	Ubuntu Core 16 agent
wda_3.00.0-36976_amd64.deb	Ubuntu Desktop 16.04 agent

Tested platforms

Table 2. Tested platforms

EDM devices	Device Type	Tested OS
Edge Gateway Windows 10 LTSB	Edge Gateway 5000	Windows 10 LTSB 15
	Edge Gateway 3001	Windows 10 LTSB 16
	Edge Gateway 3002	
	Edge Gateway 3003	
Edge Gateway Ubuntu	Edge Gateway 5000	Ubuntu Core 16
	Edge Gateway 3001	
	Edge Gateway 3002	
	Edge Gateway 3003	
Embedded PC Windows	Embedded PC 3000	Win 7 Pro
	Embedded PC 5000	Win7 Pro for FES WES7P WES7E Win 10 LTSB 15 Win 10 Pro
Embedded PC Ubuntu	Embedded PC 3000	Ubuntu 16.04
	Embedded PC 5000	

Known issues

The following are the known issues in this release:



Table 3. Known issues

SI no.	Issue	Workaround
1	Windows Dell Gateway agent service is not starting in Edge Gateway.	Clear the log files present at c:\Users\Public\Public Documents\Dell path. Reboot the device.
2	Agent is not updated to the latest version on Windows Edge Gateway and Embedded devices.	Reboot the device to auto upgrade the agent.
3	Edge Gateway 3000 NIC BIOS setting is misplaced. When admin configures NIC1, NIC2 will be affected at the BIOS	This issue was observed on DVT2 system. BIOS update and the new hardware will resolve this issue.
4	<ul style="list-style-type: none"> The cloud-led does not work when the device is registered with EDM. All SKUs of Edge Gateway 3000 series (OEMR and Dell branded) get registered as Edge Gateway 3001 on EDM server. EDM is not able to configure BIOS settings that are specific to Edge Gateway 3002 and 3003. <p>NOTE: This issue is addressed in the agent version 3.00.0.37334</p>	Execute following commands to resolve this issue: <pre>sudo snap connect ccm-wda:removable-media :removable-media sudo snap connect ccm-wda:cloud-led caracalla:cloud-led sudo snap connect ccm-wda:sku-bit-a caracalla:sku-bit-a sudo snap connect ccm-wda:sku-bit-b caracalla:sku-bit-b sudo snap connect ccm-wda:sku-bit-c caracalla:sku-bit-c sudo ccm-wda.skucheck</pre>

Supported OS matrix for private cloud components

Table 4. Supported OS matrix for private cloud components

OS type	Edge Device Manager server: Edge Device Manager installed in organization's data center (private cloud) to manage IoT Gateways and Embedded PCs	Wyse Management Suite Repository: Application repository that can be optionally installed for scalability and reliability across geographies for content transfer.	External Database: Edge Device Manager private cloud installation may optionally point to MongoDB and/or MariaDB installations on a separate or external database server.
Windows 2012 R2 ENG	Yes	Yes	Yes
Windows 2012 R2 French	Yes	Yes	No
Windows 2012 R2 Italy	Yes	Yes	No
Windows 2012 R2 German	Yes	Yes	No
Windows 2012 R2 Spanish	Yes	Yes	No
Windows 2016 ENG	Yes	Yes	Yes
Windows 2016 French	Yes	Yes	No
Windows 2016 Italy	Yes	Yes	No
Windows 2016 German	Yes	Yes	No
Windows 2016 Spanish	Yes	Yes	No

