

# MACMON NAC WHITEPAPER

## Integration of macmon NAC ManageEngine Patch Manager Plus and Mobile Device Manager Plus

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## Introduction

As the IT management division of Zoho Corporation, ManageEngine prioritizes flexible solutions that work for all businesses, regardless of size or budget. ManageEngine crafts comprehensive IT management software with a focus on making your job easier. ManageEngine's 90+ products and free tools cover your IT needs: From network and device management to security and service desk software, they're bringing IT together for an integrated, overarching approach to optimize your IT.

## Use Cases

A network administrator of any corporate network faces the task of keeping track of a variety of endpoint devices in their company. Apart from regular desktop computers, the growing number of mobile devices brings new challenges to everyday life which need to be tackled by those responsible for the computer infrastructure.

### macmon NAC analyzes Patch Manager Plus assets

To avoid potential security risks, it is highly important to have every endpoint on the latest patch level. ManageEngine Patch Manager Plus provides a comprehensive amount of data regarding corporate devices on the network. This data includes information on the health status of a specific endpoint device, which is an indicator of the overall patch level and will be periodically retrieved by macmon NAC. If the patch level meets the corporate compliance criteria, macmon NAC keeps track of this endpoint as being compliant. If the compliance criteria were not met, the device is considered being non-compliant.

### macmon NAC analyzes Mobile Device Manager Plus assets

More and more employees use mobile devices at work. Be it a corporate cell phone or a tablet that is brought from home. Mobile Device Manager Plus is an MDM solution for enterprise networks that works as an inventory for any corporate mobile device. The powerful ManageEngine system scans mobile devices on the network for their health status and macmon NAC retrieves information on the time the endpoint device was last scanned for vulnerabilities. If this expiration period exceeds 24 hours, macmon NAC considers the device to be non-compliant. In the opposite case, macmon NAC considers the device to be compliant.

In both cases, macmon NAC provides a great overview on the compliance status of every corporate device on the network. And even more, a predefined policy could both isolate a non-compliant corporate device by moving it into a special network segment and notify the administrator in charge to have a look at it.

## Configuration of macmon NAC

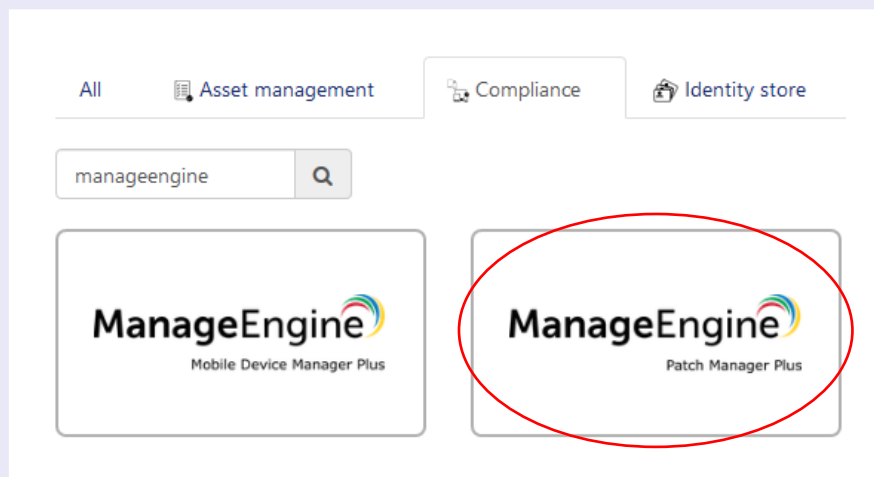
### macmon NAC analyzes Patch Manager Plus assets

This integration retrieves information on the health status of a specific endpoint and maps to corresponding compliance states in macmon NAC, as shown in the table below.

Resource health status	macmon NAC reason	macmon NAC compliance state
0	Unknown	compliant
1	Healthy	compliant
2	Vulnerable	noncompliant
3	Highly Vulnerable	noncompliant

### Configuration

The configuration is done via the web GUI. Please tap on *Settings* and *Third party integrations*, then on *Compliance*.



If the border of the *ManageEngine Patch Manager Plus* tile appears gray the integration is not yet activated. Please tap on the tile for the configuration dialog to be shown.

1. Enter the *user name* and the *password*, that is needed to access the API of *ManageEngine Patch Manager Plus*.

Edit configuration for ManageEngine Patch Manager Plus
×

▶ Description

Configuration

User name \*

admin

User name for ManageEngine Patch Manager Plus

Password \*

●●●●●●●●

Password for ManageEngine Patch Manager Plus

2. Enter the URL of the *ManageEngine Patch Manager Plus* API and the *interval* at which data is supposed to be retrieved from the API. Check the box *Active* to activate the integration.

URL \*

URL to ManageEngine Patch Manager Plus API (e. g. https://me-pmp.local/api/1.0)

Interval \*

Interval in minutes (range: 0-59) at which data is being retrieved from ManageEngine Patch Manager Plus

☒ Active

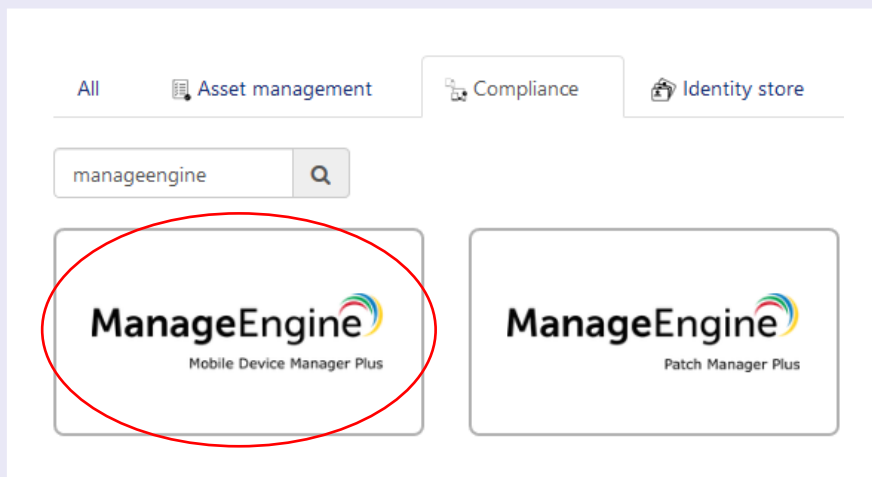
3. Finish the configuration by tapping on *Ok*.

## macmon NAC analyzes Mobile Device Manager Plus assets

This integration retrieves information on the time the endpoint device was last scanned for vulnerabilities. If this expiration period exceeds 24 hours, macmon NAC considers the device in question to be non-compliant. In the opposite case, macmon NAC considers the device to be compliant.

### Configuration

The configuration is done via the web GUI. Please tap on *Settings* and *Third party integrations*, then on *Compliance*.



If the border of the *ManageEngine Mobile Device Manager Plus* tile appears gray the integration is not yet activated. Please tap on the tile for the configuration dialog to be shown.

1. Enter the URL of the *ManageEngine Mobile Device Manager Plus* API

A screenshot of the 'Edit configuration for ManageEngine Mobile Device Manager Plus' dialog box. The dialog has a title bar with a close button. Below the title bar, there are two sections: 'Description' and 'Configuration'. The 'Configuration' section is expanded, showing a 'URL \*' field with the value 'https://me-mdmp.local/api/v1/mdm'. Below the field is a hint: 'URL to ManageEngine Mobile Device Manager Plus API (e. g. https://me-mdmp.local/api/v1/mdm)'.

2. Enter the *API key* you've created in your *ManageEngine Mobile Device Manager Plus* configuration interface and the *interval* at which data is supposed to be retrieved from the API. Check the box *Active* to activate the integration.

The screenshot shows a configuration dialog box with a white background and a light gray border. At the top, it says "API key \*" in a small font. Below this is a text input field containing the alphanumeric string "76aba8d0-7483-7584-8937-a6660f64fcf8". Underneath the input field, it says "API key for ManageEngine Mobile Device Manager Plus". Below that, it says "Interval \*" in a small font. This is followed by a numeric input field containing the value "50". Below the input field, it says "Interval in minutes (range: 0-59) at which data is being retrieved from ManageEngine Mobile Device Manager Plus". At the bottom left of the dialog, there is a checked checkbox followed by the word "Active". At the bottom right, there are two buttons: a blue button with a white checkmark and the text "Ok", and a white button with a gray border and the text "Cancel".

3. Finish the configuration by tapping on *Ok*.

## Configuration of ManageEngine products

### Configuration of Patch Manager Plus

Please configure an user that is able to access the API. You need to use this user credentials in chapter *Configuration of macmon NAC – macmon NAC analyzes Patch Manager Plus assets*.

### Configuration of Mobile Device Manager Plus

Please create an API key for accessing the API. You need to use this API key in chapter *Configuration of macmon NAC – macmon NAC analyzes Mobile Device Manager Plus assets*.

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