# RELEASE NOTES (v3.0.0.41):

This Hyper-V Management Pack Extensions 2019 is intended to add performance monitoring to the existing Hyper-*V* Management Pack.

This MP has monitors, rules and views that are detailed below. To avoid huge database consumption *most of the performance* rules are disabled by default. You can use these rules for creating your environment baselines.

Monitors are enabled and ready to run on your SCOM environment.

The configured thresholds on the monitors should cover most common scenarios but you may need to tune some of them to cover your own needs.

**This MP is provided “as is” without any official support from Microsoft.**

**New features on release 3.0.0.41**

Added the following Performance Rules on Hyper-V Host level:

* Hyper-V MPE 2019 Root Virtual Processor % Total Run Time
* Hyper-V MPE 2019 Root Virtual Processor % Hypervisor Run Time
* Hyper-V MPE 2019 Root Virtual Processor % Guest Run Time
* Hyper-V MPE 2019 Virtual Processor % Guest Run Time
* Hyper-V MPE 2019 Virtual Processor % Hypervisor Run Time
* Hyper-V MPE 2019 Virtual Processor % Total Run Time
* Hyper-V MPE 2019 Logical Processor % Total Run Time
* Hyper-V MPE 2019 Logical Processor % Hypervisor Run Time
* Hyper-V MPE 2019 Logical Processor % Guest Run Time
* Hyper-V MPE 2019 Dynamic Memory Balancer Available Memory (MBytes)
* Hyper-V MPE 2019 Dynamic Memory Balancer Average Pressure (%)

Added the following Performance Rules on Hyper-V VM level:

* Hyper-V MPE 2019 Dynamic Memory VM Average Pressure (%)

Added the following Performance Rules on Hyper-V Logical Processor level:

* Hyper-V MPE 2019 % Guest Run Time

Added the following Performance Rules on Hyper-V Virtual Processor level:

* Hyper-V MPE 2019 Virtual Processor % Total Run Time
* Hyper-V MPE 2019 Virtual Processor % Hypervisor Run Time

Minor textual optimizations.

**Requirements**

* SCOM 2019 Operations Manager or higher.
* Required Management Packs:
  + Microsoft System Center 2019 Management Pack for Hyper-V v11.0.1.0 or higher
    - <https://www.microsoft.com/en-us/download/details.aspx?id=101312>
  + Microsoft System Center Management Pack for Windows Server Operating System 2016 and 1709 Plus v10.1.0.2 or higher
    - <https://www.microsoft.com/en-us/download/details.aspx?id=54303>
  + Microsoft System Center Management Pack for Windows Server Cluster 2016 and 1709 Plus v10.1.0.0 or higher
    - <https://www.microsoft.com/en-us/download/details.aspx?id=54701>