

## Comtrade Management Pack for F5 BIG-IP



### Healthy application delivery at all times using Centralized Monitoring within SCOM

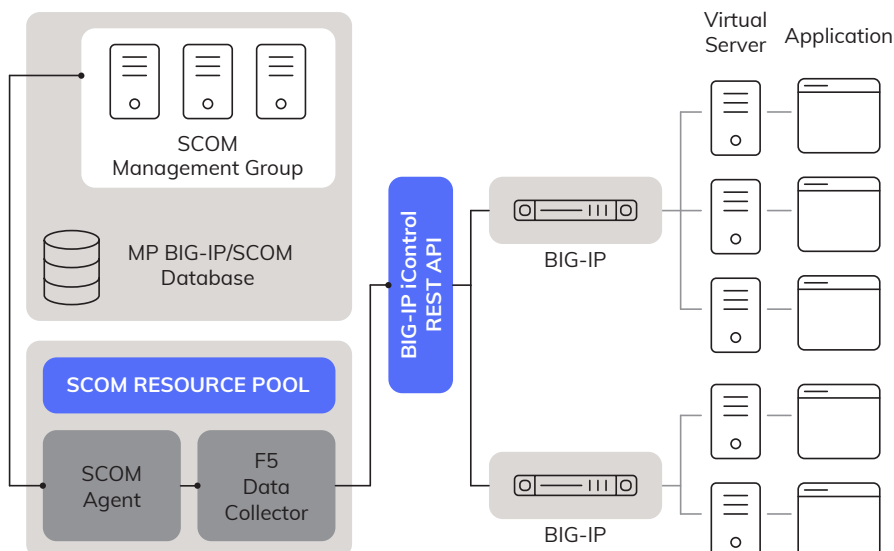
Comtrade Management Pack for F5® BIG-IP® enables IT teams to collect performance and health information from BIG-IP devices and focus on significant events. It has been designed for:

- Performance optimization across complete application delivery stack by monitoring selected load balancing algorithm for specific application delivery setup
- Management visibility into security threats by using ASM data based report
- Detection of underused and overused resources for configuration optimization
- Early warning of potentially critical situations with resolution knowledge base to prevent downtimes

### From a technical perspective

Comtrade F5 BIG-IP is native extension of Microsoft System Center Operations Manager (SCOM). Comtrade F5 Data Collector component connects to F5 BIG-IP iControl REST API and optimizes load on BIG-IP device. SCOM uses SNMP for initial discovery and for collecting data Comtrade MP uses iControl REST API.

**Works with read only privileges!**



#### FOCUS ON WHAT IS IMPORTANT

Collecting only crucial data for focusing on important events that require your attention.

#### CYBER-ATTACKS ANATOMY

NEW

Identify if application attack is in progress and visualize history of attacks.

#### OPTIMAL APP DELIVERY SETUP

Monitor performance of key system, LTM and ASM elements to optimize application delivery setup.

#### START MONITORING IN 15 MINUTES

Simple installation and configuration with full customization. No changes to F5 BIG-IP.

#### SUPPORTED PLATFORMS:

**F5 BIG-IP**  
11.5.0 and newer

**Microsoft System  
Center Operations  
Manager**  
2012 SP1, 2012 R2,  
SCOM 2016



### Availability Performance Confidence

Make sure your BIG-IP device is available and processing traffic

#### **Make sure you have enough free storage on your devices - WHY?**

"Monitoring the hard disk capacity on a BIG-IP unit is critical to maintaining a healthy system. If a BIG-IP system is running low on disk space you may experience performance related issues such as the inability to perform upgrades, run ConfigSync operations, or save UCS files" "When the BIG-IP file systems become full undesirable or unpredictable behavior may result"

Source: Ask F5 SOL 14403

#### **Make sure your device CPU is not overloaded - WHY?**

"Extended high CPU utilization can degrade performance and the system may eventually become unresponsive or reboot"

Source: Ask F5 SOL 15468



### Application delivery monitoring

Easily monitor configured virtual servers from centralized location

View all application delivery configurations on your BIG-IP devices. For every virtual server see assigned address and port, and monitor performance using:

- Current connections
- Number of requests in a monitored interval
- Syncookie details
- Client side bits in and out

Above mentioned metrics enable you to identify the least and the most used virtual server or detect applications that are under attack.



### ASM monitoring

Easily visualize security threats and attacks

Do you want to be aware about attacks against your application? Identify number of blocked, alarmed or dropped sessions, brute force and other attacks. Use historical data to provide reports for management or to investigate anatomy of cyber-attacks.