

Module 12 System Monitoring

Module 1: System Monitoring

Instructor: Kim Winfield



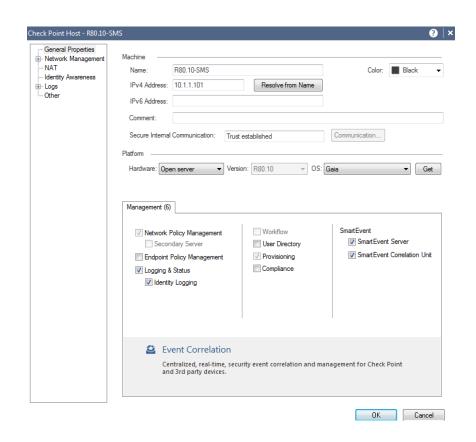
Objectives

- Use Smart Event and event correlation
- Apply Smartview Monitor and real time monitoring
- Use CPView to monitor the Security Gateway real time performance and historical performance



SmartEvent

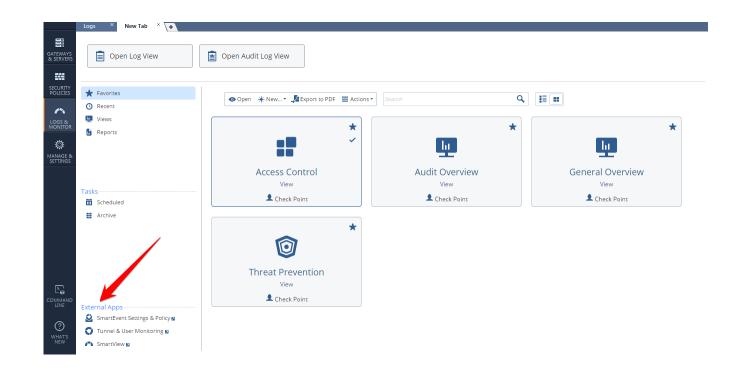
- Event Analysis
- Log Entries are used to create events
- Creating Custom Events





SmartEvent

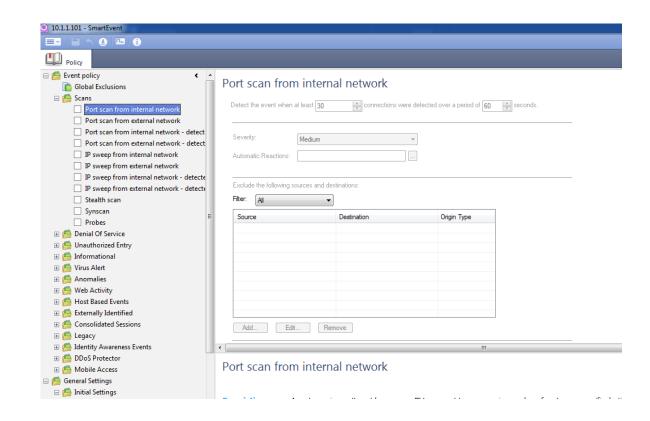
- Log Views and Reports
- Scheduled Tasks
- Archive
- External Apps
 - Smart Event Settings
 - Tunnel &User Monitoring
 - Smarview





SmartEvent Policy

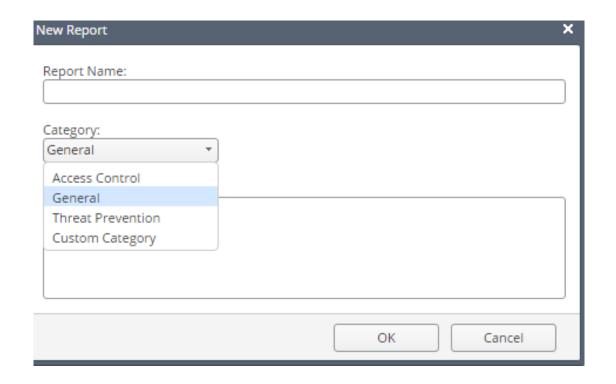
- Event Policy
 - Global Exclusions
 - Network Based Events
 - Malware and Anit-Virus Events
 - Identity Awareness Events
 - Mobile Access Events
- General Settings
 - Initial Settings
 - Objects





SmartEvent Reports

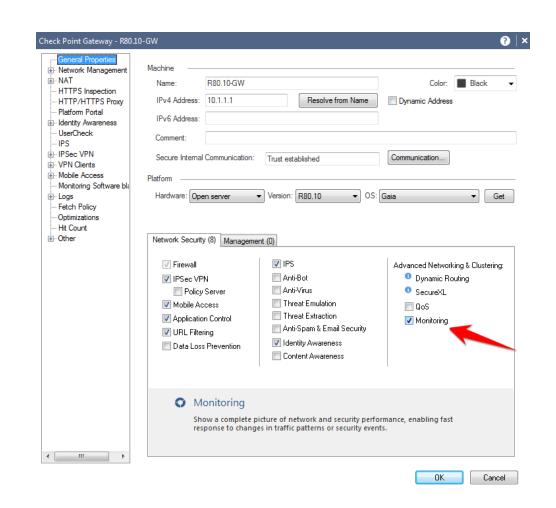
- Pre-defined Reports
- User Defined View
- User Defined Report





SmartView Monitor

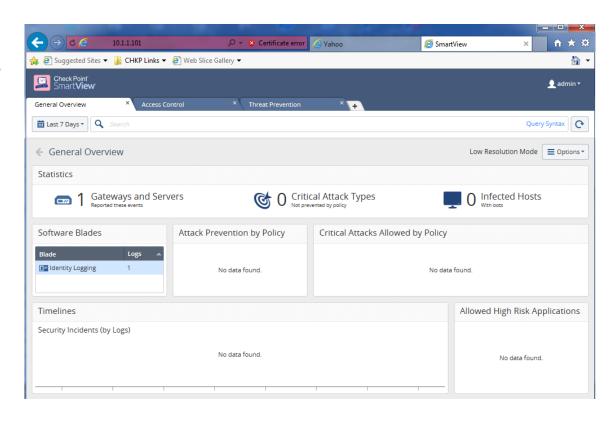
- Monitoring System Health
- Monitoring Traffic
- Enabled on Security Gateway





SmartView Monitor

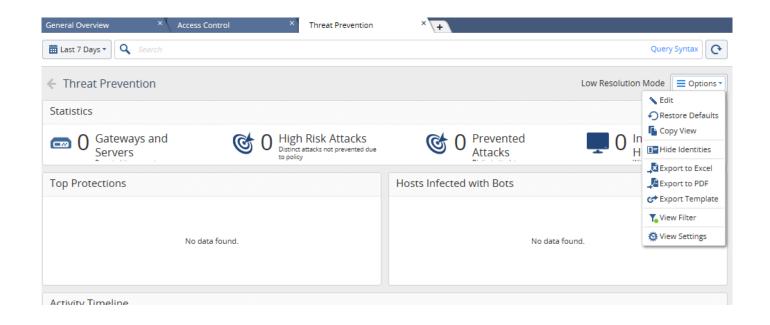
- Web Based Application
- Enable Monitoring on the Gateways
- General Overview
 - Statistics
 - Software Blades
- Access Control
 - Allowed Traffic
 - Blocked Traffic
- Threat Prevention
 - Statistics
 - Top Protections
 - Hosts Infected with Bots





SmartView Monitor

- Options
- Hide Identities of Users
- Export
 - Excel
 - PDF
 - Export Template
- View Settings



CPView

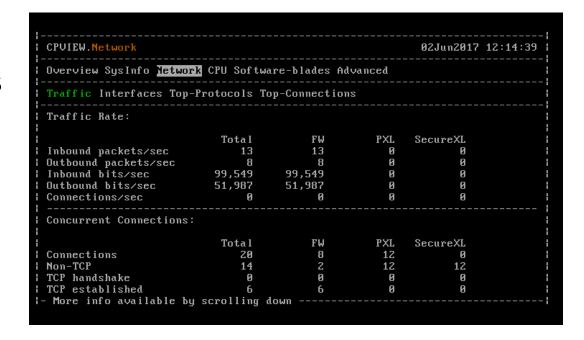
- Shell Menu
- Overview
- System Information
- Network
- CPU
- Software Blades
- Advanced

```
Dverview SysInfo Network CPU Software-blades Advanced
 CPU:
 Num of CPUs:
      CPU
               Used
 Memory:
           Total MB
                     Used MB
                              Free MB
 Physical
              1,958
                         827
                                1,131
 FW Kernel
             1,567
                         194
                                1,372
              4,126
                                4,126
 Swap
 Network:
I- More info available by scrolling down ------
```



CPView

- Real Time Statistics
- No Overhead on CPU on most counters
- Sub Menus and Counters





CPView History

- Historical Data
- Per Minute performance statistics
- Option to view specific date
- Option to view specific time



Summary

- Used Smart Event and event correlation
- Applied Smartview Monitor and real time monitoring
- Used CPView to monitor the Security Gateway real time performance and historical performance



Bibliography

Check Point R80.10 Logging and Monitoring Admin Guide California: USA

Check Point R80.10 CPView Guide California: USA