

# What's New in CA Unified Infrastructure Management 8.2

March 31, 2015

## 8.2 Release

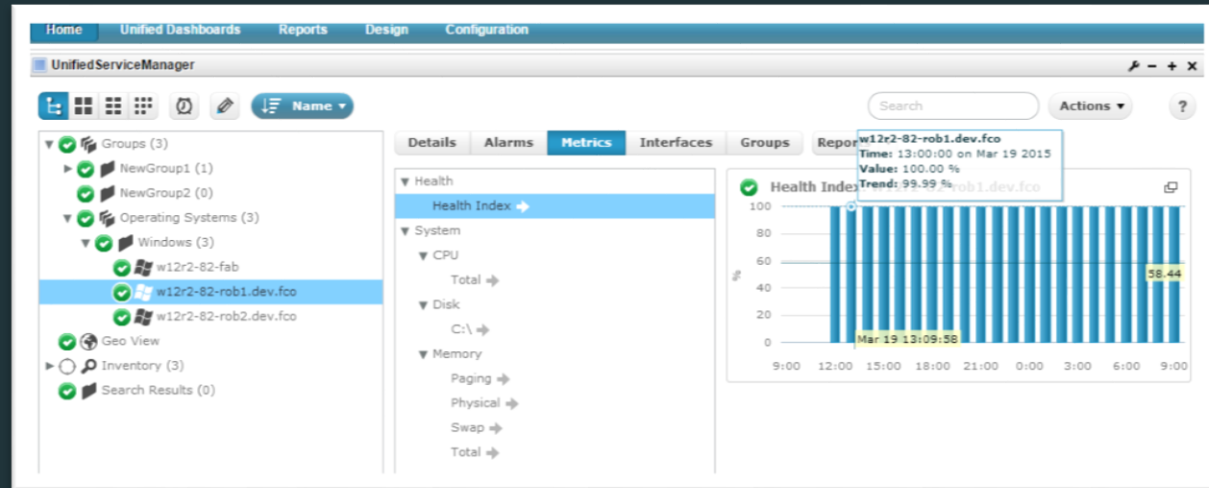
### Release Information:

- Release Date: March 31, 2015
- Community Announcement
  - <https://communities.ca.com/docs/DOC-231153056>
- Install media
  - <http://support.nimsoft.com/Default.aspx?center=portal/Downloads#uim82>

# Health Index

## Current situation

- Too many transient alarms makes alarm management difficult/time consuming
- Most time is spent focusing on the most critical alarms but small issues can turn into major ones.



## Solution: Health Index

- An easy and quick way to identify unhealthy IT infrastructure
- Track health trends as historical data for better decision making

# Proactive Reporting

## Current situation

- Lack of predictive ability to find trouble spots.
- Takes too long to diagnose issues.

## Solution: “Situations to Watch” and Trend Reports

- **Situations to watch** report shows possible trouble spots *before* problems occur.
- **Trend Reports** act as a troubleshooting tool to enable faster diagnosis of root cause through correlation of metrics.

### Situations to Watch

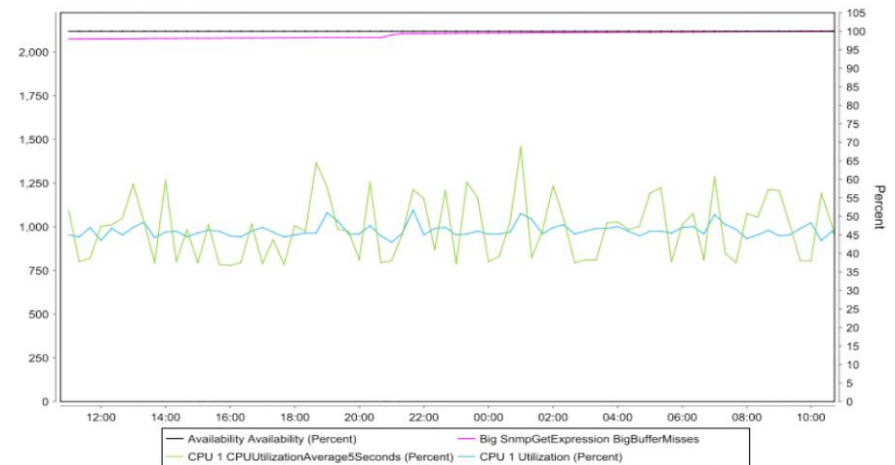
Group: Development Switches

| Element Name       | Computer Name | Variable                | Threshold | Actual Daily Avg. | Predicted Daily Avg. | Days from Threshold |
|--------------------|---------------|-------------------------|-----------|-------------------|----------------------|---------------------|
| Selma_InOut        | 10.238.4.1    | Congestion (ppm Frames) | 1000.00   | 3214.04           | 745.20               | -42                 |
| Camas-BACKBONE     | 10.238.3.0    | Volume (Bandwidth %)    | 26.47     | 27.42             | 0.19                 | -21                 |
| Culver-BACKBONE    | 10.238.2.1    | Volume (Bandwidth %)    | 39.66     | 62.94             | 61.51                | -10                 |
| Yelm_InOut         | 10.238.3.4    | Congestion (ppm Frames) | 1000.00   | 1265.87           | 265.48               | -2                  |
| Medical Lake_InOut | 10.238.6.6    | Congestion (ppm Frames) | 1000.00   | 2324.99           | 1738.82              | -2                  |
| Tadashi_InOut      | 10.238.6.0    | Volume (Bandwidth %)    | 42.46     | 31.96             | 24.51                | 1                   |
| Rievers-BACKBONE   | 10.238.6.1    | Congestion (ppm Frames) | 1000.00   | 2400.13           | 2200.63              | 3                   |
| Sonny_InOut        | 10.238.20.56  | Congestion (ppm Frames) | 1000.00   | 1267.88           | 965.82               | 6                   |
| TR-BOB_InOut       | 10.238.201.5  | Congestion (ppm Frames) | 1000.00   | 898.24            | 954.32               | 10                  |

### Trend Report

Group: switches

Time Period: Day



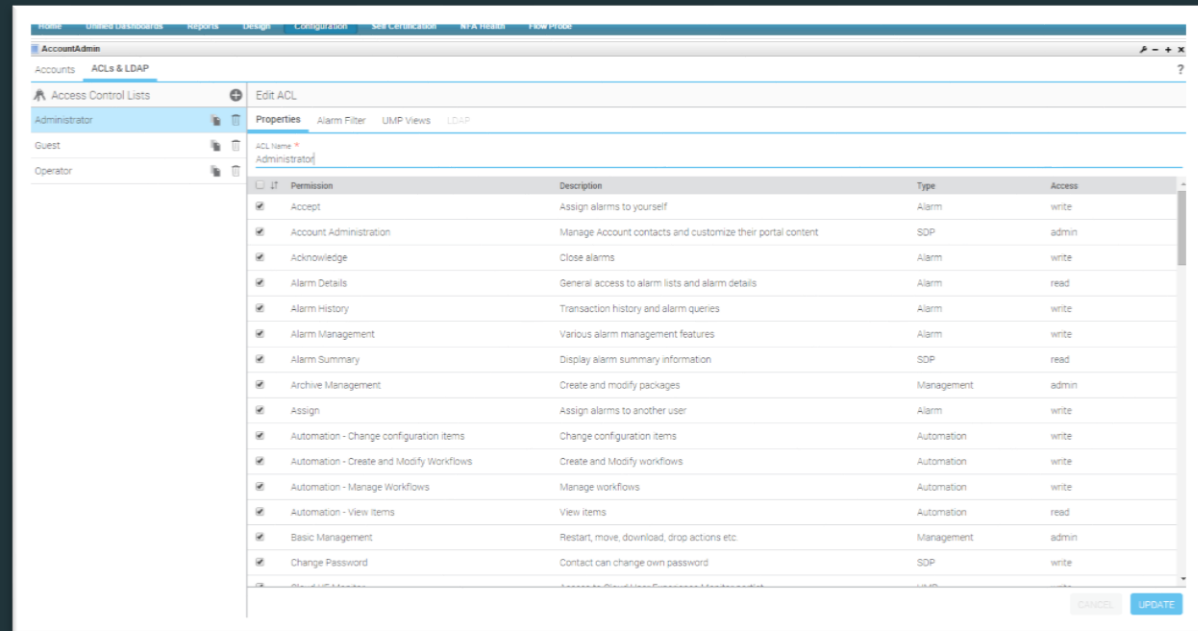
# Account Admin Portlet

## Current situation

- Managing UIM account access requires multiple steps

## Solution: HTML5 Admin

- A more streamlined and intuitive workflow for managing accounts, users and Access Control Lists.



# Cassandra Probe 1.0

## Current situation

- Corporate adoption of big data requires proactive monitoring of these technologies.

## Solution: A new Cassandra probe

- The UIM Cassandra probe enables UIM to extend monitoring coverage into this key big data technology.
- Hadoop support was delivered late last year (December 2014).

The screenshot shows the 'Probe Configuration' window for the 'cassandra\_monitor'. The left pane displays a tree view of the configuration hierarchy, including 'Medical Informatics Analytics', 'cohm01-u136289.ca.com', 'Binary', 'Gossip', 'Incremental Backup', 'Keyspaces', 'keyspace1', 'keyspace1.counter1', 'keyspace1.counter3', 'keyspace1.standard1', 'NodeMetrics', 'Thrift', 'System', 'CPU', 'Memory', 'Network', and 'StorageVolumes'. The right pane shows the 'Monitors' table with columns for Monitor, Data, Alarms, and QoS Name. Below the table, the configuration for the 'CFBloomFilterDiskSpaceUsed' monitor is displayed, including its QoS Name, Description, Metric Type, Units, and various thresholds and operators.

| Monitor                       | Data | Alarms | QoS Name             |
|-------------------------------|------|--------|----------------------|
| CFBloomFilterDiskSpaceUsed    | Off  | Off    | QOS_CASSANDRA_CF_SYS |
| CFBloomFilterFalsePositives   | Off  | Off    | QOS_CASSANDRA_CF_FIL |
| CFBloomFilterRecentFalseRatio | Off  | Off    | QOS_CASSANDRA_CF_FIL |
| CFKeyspaceCacheHitRate        | Off  | Off    | QOS_CASSANDRA_CF_OPI |
| CFLiveDiskSpaceUsed           | Off  | Off    | QOS_CASSANDRA_CF_SYS |
| CFLiveStableCount             | Off  | Off    | QOS_CASSANDRA_CF_SYS |
| CFMemTableDataSize            | Off  | Off    | QOS_CASSANDRA_CF_SYS |
| CFWriteMemTableSize           | Off  | Off    | QOS_CASSANDRA_CF_OPI |

Showing 1 to 14 of 14 entries

**CFBloomFilterDiskSpaceUsed**

QoS Name: QOS\_CASSANDRA\_CF\_SYS\_USAGE\_BLOOMFILTERDISKSPACEUSED

Description: The amount of space used for bloom filter of the column family

Metric Type: 4.13.2.1.2.1:4

Units: Bytes

Publish Data: ☐

Publish Alarms: ☐

Value Definition \*: Current Value

Number of Samples \*: 2

High Operator \*: >=

High Threshold \*:

High Message Name \*: MonitorError

Low Operator \*: disabled

Low Threshold \*:

Low Message Name \*:

Compute Baseline: ☐

Dynamic Alarm Thresholds: None

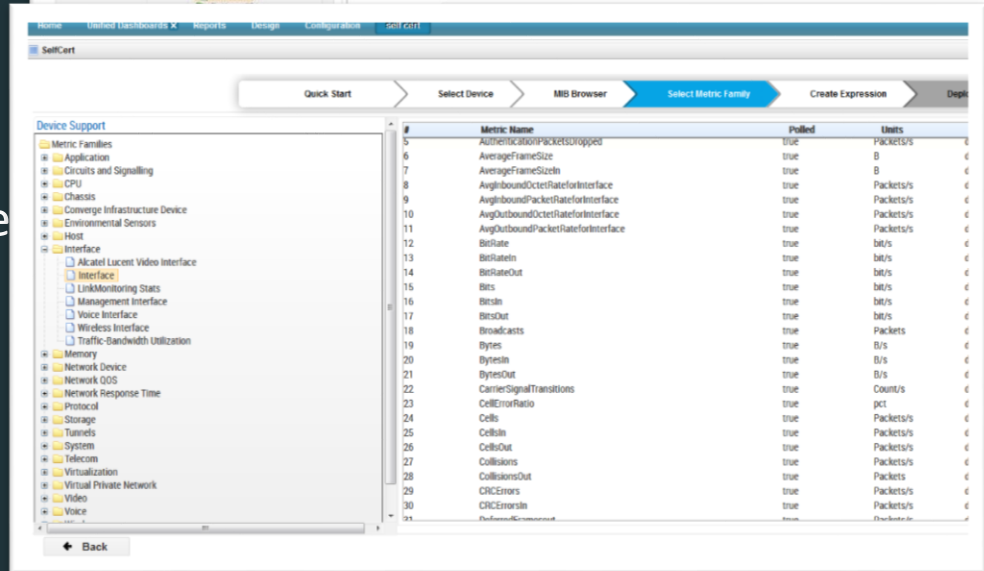
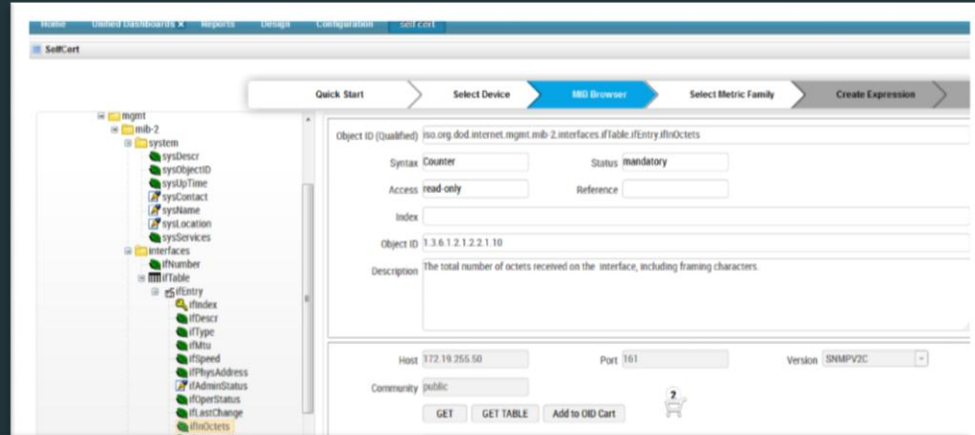
# SNMP Collector Self-certification

## Current situation

- Device certification for SNMP based monitoring of new equipment/device types takes longer than we would like.

## Solution: SNMP Collector 2.1

- Support new devices quickly
- Enhanced self-service capabilities enable self-certification, removing the need to have to wait for CA updates.
- Easily and quickly produce more useful metrics based on your specific requirements.



# Noteworthy Improvements

## Enhanced Alarm filters

- Ability to name complex alarm filters for improved alarm viewing and management.

## Admin console performance

- Facilitate use of Admin Console in large environments with numerous hubs (dozens) and robots (hundreds).

## VMware probe 6.41

- vmware probe management now possible via the Admin Console.





# Thank you!

- Questions?

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