CA SystemEDGE
Product Roadmap

Author: Product Management
Title: CA SystemEDGE Roadmap
Date: March, 2009
CA SystemEDGE

This published roadmap was based on current information and resource allocations as of March, 20th, 2009 and is subject to change or withdrawal by CA at any time without notice. The information in this roadmap is intended to outline CA’s general product direction. All information in this Product Roadmap is for informational purposes only, and is not deemed to be incorporated into any contract. CA assumes no responsibility for the accuracy or completeness of the information.

Product Mission

CA SystemEDGE is a lightweight, extensible, Simple Network Management Protocol (SNMP) based monitoring agent. It exposes server-related metrics including MIB-2 & MIB object IDs of host resources to remote manager components, which poll regularly over the network. It can be extended to expose key performance indexes from numerous virtualized server and application environments.

CA SystemEDGE is a strategic monitoring application that is tightly integrated with CA’s Infrastructure Management products, including CA eHealth, CA SPECTRUM, CA NSM and CA’s VPM (Virtual Performance Management). Systems and Network administrators use the CA SystemEDGE agent in combination with CA management applications such as eHealth to expose and analyse physical and virtual server metrics. SystemEDGE monitoring may be extended by using separately licensable management plug-ins (AIMs) to augment SystemEDGE’s inherent monitoring capabilities across a wide spectrum of infrastructure areas such as systems, applications and databases.

The SystemEDGE Product Suite includes:

- SystemEDGE
- Systems AIMs
- Systems AIMs for Virtualized Environments
- eHealth Network AIMs
- Insight Database AIMs

This roadmap focuses on CA SystemEDGE and its associated Systems AIMs including:

- Service Availability SA AIM
- IIS AIM
- Apache AIM

CA SystemEDGE agents can be used with CA’s Network and Systems Management (NSM r11.2) to provide enhanced flexibility for NSM r11.2 customers by offering a lightweight alternative to NSM agents, for use in situations where the extensive monitoring functionality provided by NSM agents exceeds the requirements of the target environment.

Product Strategy

New and existing customers of CA’s solutions will be able to benefit from the enhancements being made to CA SystemEDGE due to enhanced integration with CA’s product portfolio. This reinforces CA’s commitment to simplifying and unifying systems management through product offerings that work together seamlessly to provide an enhanced customer experience.
Product Roadmap

Reducing the Total Cost of Ownership is a key driver for the CA SystemEDGE product vision which is achieved by:

- Providing an increasing array of information gathering capabilities across a growing diversity of supported platforms;
- Providing a lightweight, minimal footprint monitoring solution;

Future product releases are also planned to deliver key features such as:

- Remote automatic agent deployment
- Policy based maintenance and configuration
- Capabilities to monitor virtualized environments

CA realizes the importance of providing product updates through a holistic approach that minimizes changes across various integrated products. Customers have historically been provided with regular product updates every 6 months in the form of Patch Bundles that group together various patch level releases. This allows customers the flexibility of updating their product and all associated components through a single install of a patch bundle executable without resorting to changes to numerous different components.

SystemEDGE Current Release Status

System Edge: Version 4.3 Patch Bundle 1
System Edge: Version 4.2 Patch Bundle 2

For details on current features and functionality, please preview the product brief.

Planned New Features/Functionality in the Future

Each new feature or functionality included in future releases is subject to change based on a number of factors, including but not limited to internal and external beta testing, development plan changes, and feedback from customers and users. Accordingly, the product may have different features and/or functionality than stated in this Roadmap.

Currently Planned New Features and Functionality Targeted for Calendar Year 2009.

- State Management Model
  It is planned to evolve “monitor entry supersession” and “outstanding alarm handling” functionality into a more powerful state monitoring model which will support “state-full” managers.

- Centralized, Policy-driven Configuration
  It is intended to enable policy based configuration from a central manager component. This feature would be configuration file based and would provide policy based configuration control/lock-down mechanisms.

- System EDGE Reconfiguration without Restart
  It is planned to enable policy based re-configuration from a central Manager component without restarting the System EDGE process.

- Centralized Deployment with initial configuration
Product Roadmap

It is intended to support automatic and centralized agent deployment with initial configuration

- **Reliable Transport**
  It is expected to support reliable transports via a new protocol (CAM) to provide new advanced features which will allow operations such as centralized deployment and configuration.

- **Legacy Support for SNMP Managers**
  It is intended to include support for legacy polling, monitoring and configuration operations provided by eHealth 6.0 / 6.1 and other traditional 3rd Party SNMP Managers such as Micromuse NetCool.

- **Platforms Supported:**
  It is planned to support the following platforms:
  - Windows Vista
  - Windows 2008
  - Red Hat 5.0
  - HP 11.31 PA-RISC/IA-64
  - AIX 6.1

- **New AIMs intended to be included:**
  In addition to Service Response Monitor SRM 3.0, IIS and Apache AIMs, the following new AIMs are planned to be included with CA SystemEDGE 5.0:
  - VMware Virtual Center AIM
  - Solaris Zones AIM
  - Aix LPAR AIM

- **Planned enhancements to SRM 3.0 (formerly SA):**
  - It is expected to include State Management model capabilities in addition to traditional SNMP based polling and configuration
  - It is planned to include File-Based Configuration to enable policy based configuration from remote ‘Manager’ components
  - Designed to support SNMPv3 and IPv6
  - It is intended to help reduce the number of active processes on the server
  - It is expected to include legacy support for polling, monitoring and configuration operations provided by eHealth 6.0 / 6.1 and other traditional 3rd Party SNMP Managers such as Micromuse NetCool
  - It is planned to include a Web based VPM UI to allow Users to see an aggregate SRM state and drill down into specific monitors
  - It is expected to ensure agents do not gather data or send alarms while the host is in maintenance mode
  - It is planned to include storing metrics for historical collection and reporting, enabling NSM customers to take advantage of response time data gathered by SRM in NSM reporting solutions.
  - Additional planned future enhancements to include Support for operation within Cluster Environments, NTLM Authentication for HTTP Tests and Test Poll Rate Flexibility

**Currently Planned New Features and Functionality Targeted for Calendar Year 2010.**

- **Cluster Awareness**
  CA SystemEDGE agents designed to know if they are running on a clustered node and understand which resources are
Product Roadmap

shared and which will ‘legitimately’
disappear during failover operations, etc.

- Cluster Monitoring: MSCS AIM
  The MSCS AIM is a SystemEDGE AIM
designed to run on each node of a cluster
and enable customers to monitor the
activity of the cluster, failover state,
resource groups etc. It is planned to be
part of the new VPM product that will have
SystemEDGE packaged with it.

- Planned Additional New AIMs:
  - Performance AIM
  - Active Directory Management AIM
  - XEN AIM
  - Hyper V AIM

- Planned enhancements to IIS and Apache
  AIMs may include:
  - Designed to support IPv6
  - Windows Server 2008 Support
  - Support for IIS 7.0
  - Support for Apache 2.2

- It is expected that future versions of
  SystemEDGE may provide a toolkit
  enabling customers to author their own
  AIMs, allowing them to tailor monitoring
  requirements to their specific business
  needs. The toolkit would be intended to
  significantly enhance the flexibility and
  usefulness of the product providing
  enhanced value to customers through
  improvement alignment with their current
  and future needs.

SystemEDGE & Virtual Performance
Management

CA SystemEDGE version 5.0 and higher are
planned to be packaged with CA’s VPM
(Virtual Performance Management), extending
health and performance management to the
virtual space. SystemEDGE 5.0 and higher
releases will only be available packaged as
part of CA VPM.

CA VPM is expected to include the following
enhanced functionality for monitoring virtual
& physical environments:

- Core, lightweight, standalone systems
  management capabilities
- Minimum Monitoring Footprint with no
  prerequisites
- Centralized Remote Deployment with
  policy based configuration
- Scheduled and automated deployment
- Ability to remotely configure agents or
groups of agents
- Integrated Response Time & Event
  Management
- Audit Logging & Tracking and Automated
  actions to control Virtual Machine
  allocation and behaviour.
- Standards based infrastructure designed
to support IPv6 and SNMPv3 as well as a
CIM management model & SOA
  architecture.
- Web Services (WS-MAN, Configuration &
  Deployment Operations)
- Web Based Interface and Reporting
- Role-based security
- Extensive Platform Support

- Physical Environments:
  - Windows 2003, 2008, Vista
  - Solaris, HP-UX, AIX
  - Redhat, SuSE, Debian, etc.
- Virtual Environments:
  - VMware ESX & VC
  - Microsoft (Hyper-V, MS
    Virtual Server)
  - IBM LPARS (P6)
  - Xen Hypervisor from Citrix
  - Solaris Container
Product Roadmap

Product Direction

CA SystemEDGE is a key component of CA’s EITM vision to Simplify and Unify IT infrastructure Management, offering a low footprint agent with high value monitoring capabilities. CA SystemEDGE may now be used with CA NSM r11.2.

CA SystemEDGE continues to play a major strategic role in CA’s overall Infrastructure Management strategy, and is an integral part of CA’s Virtual Performance Management strategy which delivers integrated management of physical and virtualized server environments via a modern, standards-based management interface.

CA SystemEDGE release 5.0 and higher is planned to be packaged with CA’s VPM (Virtual Performance Management), extending health and performance management to the virtual space. We expect that VPM will be fully integrated with CA Enterprise Managers including CA Data Center Automation Manager, CA eHealth, CA SPECTRUM and CA NSM.

Internationalization/Localization

CA SystemEDGE is currently only available as a US English language product, and has been certified for use in US English (ENU) Operating System environments.

Certification of the US English version of CA SystemEDGE for use in non-US English O/S environments is currently under review, and future language certifications will be based on customer demand. Further details of Internationalization support can be found on the CA Support site, located at http://support.concord.com.

Platform, Database, and Language Support

An overview of this solution’s supported platforms, operating systems, and system requirements can be found on the product home page on CA’s Technical Support site, located at http://support.concord.com.

Legal

This roadmap shall not serve to (i) affect the rights and/or obligations of CA or its licensees under any existing or future written license agreement or services agreement relating to any CA software product; or (ii) amend any product documentation or specifications for any CA software product. The development, release and timing of any features or functionality described in this roadmap remain at CA’s sole discretion. Notwithstanding anything in this Product Roadmap to the contrary, upon the general availability of any future CA product release referenced in this Product Roadmap, CA may make such release available (i) for sale to new licensees of such product; and (ii) in the form of a regularly scheduled major product release. Such releases may be made available to current licensees of such product who are current subscribers to CA maintenance and support on a when and if-available basis. In the event of a conflict between the terms of this paragraph and any other information contained in this Product Roadmap, the terms of this paragraph shall govern.

Copyright © 2009 CA. All rights reserved. Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both. All other trademarks, trade names, service marks and logos referenced herein belong to their respective companies.

THIS DOCUMENT IS FOR YOUR
Product Roadmap

INFORMATIONAL PURPOSES ONLY. TO THE EXTENT PERMITTED BY APPLICABLE LAW, CA PROVIDES THIS DOCUMENT “AS IS” WITHOUT WARRANTY OF ANY KIND, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT WILL CA BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENT, INCLUDING, WITHOUT LIMITATION, LOST PROFITS, LOST INVESTMENT, BUSINESS INTERRUPTION, GOODWILL OR LOST DATA, EVEN IF CA IS EXPRESSLY ADVISED OF SUCH DAMAGES.