Symantec Identity Governance & Administration (IGA) Roadmap

Itamar Budin
March, 2020
Disclaimer

Copyright © 2020 Broadcom. All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries. Broadcom, the pulse logo, Connecting everything, CA Technologies and the CA technologies logo are among the trademarks of Broadcom. All rights reserved. All trademarks, trade names, service marks and logos referenced herein belong to their respective companies.

Certain information in this publication may outline Broadcom’s general product direction. However, Broadcom may make modifications to any Broadcom product, software program, method or procedure described in this publication at any time without notice, and the development, release and timing of any features or functionality described in this publication remain at Broadcom’s sole discretion. Broadcom will support only the referenced products in accordance with (i) the documentation and specifications provided with the referenced product, and (ii) Broadcom’s then-current maintenance and support policy for the referenced product. Notwithstanding anything in this publication to the contrary, this publication shall not: (i) constitute product documentation or specifications under any existing or future written license agreement or services agreement relating to any Broadcom software product, or be subject to any warranty set forth in any such written agreement; (ii) serve to affect the rights and/or obligations of Broadcom or its licensees under any existing or future written license agreement or services agreement relating to any Broadcom software product; or (iii) serve to amend any product documentation or specifications for any Broadcom software product. This document is for your informational purposes only and Broadcom assumes no responsibility for the accuracy or completeness of the information contained herein. To the extent permitted by applicable law, Broadcom provides this document “as is” without warranty of any kind, including, without limitation, any implied warranties of merchantability, fitness for a particular purpose, or noninfringement. In no event will Broadcom be liable for any loss or damage, direct or indirect, from the use of this document, including, without limitation, lost profits, business interruption, goodwill or lost data, even if Broadcom is expressly advised in advance of the possibility of such damages.
Symantec Approach
Easy to use, maintain, and adopt

- **Shopping Cart Experience**: Users can browse and easily find entitlements
- **Entitlement Catalog**: Describes the entitlements so you know what you are getting
- **Context Advice Tools**: Helps you understand how to interpret the information
- **Virtual Appliance**: Makes the installation and deployment fast – minutes not days
Symantec IGA Integrated Solution

**INPUTS**

- HR Feed
- Self-Service

**Symantec IGA**

- Entitlement Catalog
- Access Requests
- Process Analytics
- Workflow Approvals
- Identity On-the-Go
- Business User Portal
- Risk Analysis & Simulation
- User Creation / Onboarding
- Password Policies
- Account Management
- Business Workflows
- Automation
- User Access Certification
- Segregation of Duties
- Entitlement Clean-up
- Role Discovery

**Xpress Technologies**

- Policy Xpress
- Deployment Xpress
- Connector Xpress
- Migration Xpress
- Azure SaaS Application Onboarding

**CONNECTIVITY**

- SAP On Premises
- Cloud
- UNIX
- Database
- Others
One Stop Shop for all Identity Services
Everything the business user needs in one place

- User Life Cycle Identity Management
- Identity Governance Access Certification
- Multi-factor Advanced Authentication
- Single Sign-On
- Privileged Access Governance
Access Request
Shopping cart experience for acquiring access

- Easy-to-use access request process through an intuitive shopping cart experience
- Conveniently request roles and entitlements from a business entitlement catalog
- Advice tools such as real-time context-based access recommendations
- All requests can be checked for segregation of duties compliance
**Risk Analyzer & Simulator**

Context-based, real-time risk analyzer

- Advanced, robust rules engine that calculates user risk score in real-time
  - Calculates and displays risk scores and alerts whenever a risky user is detected
  - Updates risk scores continually based on changes to user privileges, user attributes and other contextual factors
  - Simulates user risk score changes in the context of access requests
Certification Campaigns

Certify user access in a friendly efficient way

• Simplifies and centralizes all necessary compliance activities in one place
• Business entitlements catalog simplifies certifications
• Risk analysis highlights risky access to:
  – Enable real-time remediation
  – Improve policy enforcement
  – Simplify regulatory compliance
• Easily customizable for the needs of each role/user
Automated Provisioning and De-Provisioning

Large set of connectors to manage identities across the organization

- Wizard-based on-boarding of new users such as employees, business partners and contractors
  - Including self-registration
- Manages identities, roles, and policies across on-prem and cloud applications
- Customizable workflows support the unique way each organization approves and schedules these activities
- Broad set of connectors to target systems
# Certification Campaigns Dashboard

## For Compliance Managers

### Progress by campaign

<table>
<thead>
<tr>
<th>Campaign Name</th>
<th>Progress (%) ↑</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1 User Access Review</td>
<td>11/19</td>
</tr>
</tbody>
</table>

### Progress by certifier

<table>
<thead>
<tr>
<th>Reviewer Name</th>
<th>Progress</th>
<th>Completed/Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rita Jones (joni01)</td>
<td></td>
<td>11/19</td>
</tr>
<tr>
<td>Tony Belli (belto01)</td>
<td></td>
<td>46/50</td>
</tr>
<tr>
<td>Michael Allen (allm01)</td>
<td></td>
<td>2/35</td>
</tr>
<tr>
<td>Cory McCullough (mccoo01)</td>
<td></td>
<td>12/12</td>
</tr>
<tr>
<td>Sally Brown (brosa01)</td>
<td></td>
<td>67/67</td>
</tr>
<tr>
<td>Jeff Andrews (andje01)</td>
<td></td>
<td>73/88</td>
</tr>
<tr>
<td>Pauline Morrow (morpa01)</td>
<td></td>
<td>27/27</td>
</tr>
<tr>
<td>William Titus (titwu01)</td>
<td></td>
<td>3/3</td>
</tr>
<tr>
<td>Alex Smith (smial01)</td>
<td></td>
<td>16/16</td>
</tr>
</tbody>
</table>

### Progress summary

- 0 Reviewers Not Started
- 4 Reviewers In Progress
- 7 Reviewers Completed

Overall Progress: 81.7%
Identity Analytics
Empowering the business to achieve operation excellence with real-time analytics

- Operation Excellence Console for Managers
- Centralized dashboard providing a unique view of all identity lifecycle processes
- Allows managers to analyze processes and drill down into potential problems and remediate them
- Improves efficiency and productivity of the enterprise
- SLA statistics give project sponsors business justification for project ROI
Analytics

Single Step Approval

<table>
<thead>
<tr>
<th>Name</th>
<th>Average SLA</th>
<th>Max SLA</th>
<th>Min SLA</th>
<th>No. Requests</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Von Neumann</td>
<td>36.5 sec</td>
<td>52 sec</td>
<td>21 sec</td>
<td>2</td>
</tr>
<tr>
<td>Charles Babbage</td>
<td>40 sec</td>
<td>40 sec</td>
<td>40 sec</td>
<td>1</td>
</tr>
<tr>
<td>Alan Turing</td>
<td>5.32 min</td>
<td>5.32 min</td>
<td>5.32 min</td>
<td>1</td>
</tr>
</tbody>
</table>

Max time of completion: 14.33 min
Min time of completion: 55.49 sec

Number of completed requests: 6

Save workflow as image
Identity On-The-Go
The most comprehensive mobile application on the market

Branding
Certification campaigns
Request approval
Password management
Perform access requests
Rapid Deployment with Virtual Appliance
Simplified & fast deployment of Layer7 Identity Suite

• No installer. No scripts. No training.
• Pre-integrated, high availability environment in a couple of clicks
• Pre-defined recommendations for production deployments
• Up and running in minutes!
• Available now on Azure as well as AWS EC2 and OVA
• Benefits:
  – Lower License Costs: We provided OS, application server, directory
  – Lower Services Costs: No installer and simplified patches/upgrades
  – Lower DevOps Costs: Built-in centralized monitoring and Logging
Please select the configuration type you wish to deploy
This Wizard will help you get started and set up a running environment in minutes. Let's get started.

Deployment Type Selection

- **Demo**
  - For demonstrating the Identity Suite features and capabilities.

- **Sandbox / Custom**
  - To quickly develop and prototype Identity Management solutions and use cases.

- **Non Production**
  - For lower customer environments like QA or Development environments.

- **Production**
  - For production and pre-production (Staging) environments.

You are currently connected to 172.17.17.3 (vepp). Trip to an unconfigured node. In case you want to add this machine to an existing Virtual Appliance solution, close your browser and connect to a previously configured machine in order to proceed.
Best Practice Recommendations

- Project resource allocation
- Ability to deploy an entire cluster
- Best Practice Recommendations
- Architecture Optimization via Drag & Drop
Deployment completed in 16 minutes
Centralized Monitoring and Logging
Migration Xpress
Bring our existing customers to the latest release deployed on a virtual appliance

• Reduce time and errors that would be expected from manually performing the migration.
• Automated, wizard based, migration process
• Intuitive and clear step by step process
• Recommendations and best practices built-in
• Smart advice tools for knowledgeable decisions
• Includes migration of:
  – User store
  – Environment
  – Provisioning store
Migration Xpress

Example: Wizard based process with recommendations

Welcome to CA Identity Suite Migration Xpress Tool

The Migration Xpress tool set is a collection of tools and process to assist in the process of migrating a server based CA Identity Suite deployment to the CA Identity Suite Virtual Appliance. In the following steps we will assist you in mapping the attributes of your existing user store to the ones in the Virtual Appliance platform and in selecting the required environment components to be migrated. The results of the mapping will be used to build the Virtual Appliance platform and migrate the existing user and provisioning store.

Please review the Success Criteria, Coverage and Prerequisites sections of the migration guide prior to processing.

For more information contact CA at support.ca.com

GO TO SETUP
Migration Xpress

Example: Wizard based process with recommendations
Migration Xpress
Example: Wizard based process with recommendations
Rapid Time to Value With Deployment Xpress

• Capabilities
  – Deploy a business process in a few clicks
  – Easy navigation via a marketplace experience
  – Proven best practice identity lifecycle processes
  – Workflows, policies, forms and all the rest… already configured for you!
  – Build your own use case templates and repository

• Benefits
  – From weeks to a few clicks!
  – Dramatically improve time-to-value by reducing deployment time
  – Use best practice use cases
  – Improved supportability
Browse the use cases marketplace
Deploy in a few clicks!
What are we working on?

• Identity Management
  – SCIM 2.0 support
    – Inbound API support for IDM
      – User/Groups management
    – Outbound connector upgrade
  – Native support for SAML/OICD
    – Public BETA program to start very soon, please see our communities

• Performance, Quality and Scalability improvements and benchmark
  – Establish a release cadence for Cumulative Patches (CP)
  – Identity Manager task engine optimization
  – Provisioning layer improvements
  – Identity Suite performance improvements and enhancements

Color coding:
- Delivered feature
- Work in Progress
- Backlog Item
What are we working on?

- Virtual Appliance
  - Advance Monitoring
- Platform Support Matrix (PSM)*
  - JBOSS 7.2/WildFly 15
  - AdoptOpenJDK
  - SAP S4 HANA
  - Oracle 18c/19c
  - MS-SQL 2017/Always on
  - RHEL 8.0
  - CA PAM SC 14.1
  - Windows 2019 server family
  - CA Directory 14.1
  - CABI 7.1.1

*Some certifications are back-ported to existing versions

Color coding:
- Delivered feature
- Work in Progress
- Backlog Item
What are we working on?

• Identity Manager
  – Native certification capability
  – 508/WCAG 2.0 certification

• Identity Portal
  – Forgotten username
  – Forgotten password via SMS
  – View additional information about the user and resources in mobile view
  – Identity Manager Native certification capability
  – 508/WCAG 2.0 certification
  – Organization Object management

Color coding:
- Delivered feature
- Work in Progress
- Backlog Item
Industry Trends - The need for next-gen IGA

Certification Fatigue and complex user experiences are driving the need for AI-based, streamlined interfaces

- Risk-aware and event-based certifications
- Cost driven business decision
- Auto certify low risk access
- Auto request and approvals for standard access
- Recommendations based on peer access

Expanding surface of control

- Entitlements management of IaaS (requires tighter integration with PAM) and Data (SharePoint docs, etc.) will become standard requirements of IGA
- Real-time response to malicious activity (abnormal behavior)
- Drive towards standards-based integration (SCIM, event bus…) and flexible deployment
The old, Monolithic, IGA

- Focused on IT Automation
- Spreadsheet-based certifications
- Requires pre-existing knowledge of access
- Limited Risk capabilities
- Proprietary solution
Current IGA

- End user focused
- Access governance capabilities (request, approvals, certifications etc.)
- Hybrid Cloud
- Limited SOD/Risk policies
Next-gen IGA - Data driven, API Based, Identity Analytics

- Cloud Governance (K8S resources, security controls, applications)
- Privileged Access Governance
- Risk/ROI driven business decisions
- Improved ABAC and RBAC policies based on Analytics
Real life use case example

- Two users request the same type of cloud resources
- The IGA system evaluate the person risk score using Symantec cloud security
- Both users gets different risk score
- Dynamic WF engine require additional review before approval
Flexible Connector Framework

- No more “pre-packaged” connectors
- Standards based solution (SCIM 2.0, REST, oAuth)
- Flexible and extensible solution
- Ability to run Attestation Campaigns on these new endpoints
- Reduce Time-to-Value
Symantec Identity Suite | Roadmap

Updated: March 2020

**Delivered**

<table>
<thead>
<tr>
<th>CA Identity Suite</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.3 (4/18/2019):</td>
</tr>
<tr>
<td>▪ Microsoft Azure AD integration</td>
</tr>
<tr>
<td>▪ Virtual Appliance Azure Form Factor</td>
</tr>
<tr>
<td>▪ New HR Feed framework with Workday connector</td>
</tr>
<tr>
<td>▪ SaaS connectors with no API gateway requirements</td>
</tr>
<tr>
<td>▪ WebLogic 12.2 certification</td>
</tr>
<tr>
<td>▪ New authentication module for Identity Portal</td>
</tr>
<tr>
<td>▪ Incremental Explore &amp; Correlate</td>
</tr>
<tr>
<td>▪ Easy enablement of CA SiteMinder integration</td>
</tr>
<tr>
<td>▪ Enhanced performance of Snapshot capture process</td>
</tr>
<tr>
<td>▪ Improved offline CSV files and incremental import to Identity Governance</td>
</tr>
</tbody>
</table>

**Planned**

<table>
<thead>
<tr>
<th>14.4 (H1/2020)</th>
</tr>
</thead>
<tbody>
<tr>
<td>▪ OpenID Connect/SAML 2.0</td>
</tr>
<tr>
<td>▪ Inbound/Outbound SCIM 2.0</td>
</tr>
<tr>
<td>▪ Native certification in Identity Manager</td>
</tr>
<tr>
<td>▪ Generic REST connector</td>
</tr>
<tr>
<td>▪ 508/WCAG 2.0</td>
</tr>
<tr>
<td>▪ Provisioning Layer performance improvements</td>
</tr>
<tr>
<td>▪ advance monitoring</td>
</tr>
</tbody>
</table>

**Next-Gen**

<table>
<thead>
<tr>
<th>14.4+ (2021)</th>
</tr>
</thead>
<tbody>
<tr>
<td>▪ Identity Analytics</td>
</tr>
<tr>
<td>▪ Privileged Governance</td>
</tr>
<tr>
<td>▪ Cloud Governance</td>
</tr>
<tr>
<td>▪ Risk and Predictive Analytics</td>
</tr>
<tr>
<td>▪ K8S form factor</td>
</tr>
<tr>
<td>▪ Solution consolidation</td>
</tr>
</tbody>
</table>

Color coding:
- Delivered feature
- Work in Progress
- Backlog Item
Communication

• Join our community and subscribe to get the latest news, BETA invitations and access to other resources, help and general discussions

https://community.broadcom.com/enterprisesoftware.Communities/communityhomeblogs?CommunityKey=783a8a1e-bb2b-473a-a0c3-7be7b1d92c60
Thank You