WHITEPAPER

# SIMP Compliance Engine and SIMP Console for Enterprise Customers

In today's fast-paced technology environment, your team needs access to continuous, consistent, and reliable compliance data about your systems. SIMP Enterprise Edition (EE) gives you the power of the SIMP Compliance Engine (SCE) and in-depth insight with SIMP Console to give your team a compliance experience like no other. From your technology managers to your system administrators and security team, the SCE and SIMP Console provide the knowledge you need to make informed decisions about your system security and compliance.

## The Power of the SIMP Compliance Engine: Compliance as Code

The SCE is a framework that takes existing compliance and security standards and generates a configuration that is directly applicable to systems. By leveraging Puppet, SCE inspects your applied module parameters and compares them to the values desired (or required) by policy, and optionally forces Puppet to set those parameters. SCE can be used to create a Puppet environment where any changes that fail compliance are captured and quickly remediated. Using SIMP Compliance Engine gives you the power to enforce compliance, the power to enforce business rules, and the power to enforce enterprise security, all with one product.

## SCE Profiles and Content

The SCE supports both pre-configured and customized profiles. These profiles contain individual (or groups of) compliance controls that can be applied to the nodes in your infrastructure such as CIS, DISA STIGs, PCI-DSS, NIST 800-53rev4, etc. Any Puppet module can be mapped to your relevant compliance standard. These mappings are flexible enough to be tailored by your team or by Puppet Forge module maintainers. Premium profiles can also be developed for your organization by Onyx Point engineers to use within SIMP EE. Any profiles created by Onyx Point come with a guarantee of being tested against all supported compliance standards.

## Flexibility and Insight with the SIMP Console: Compliance as a Tool

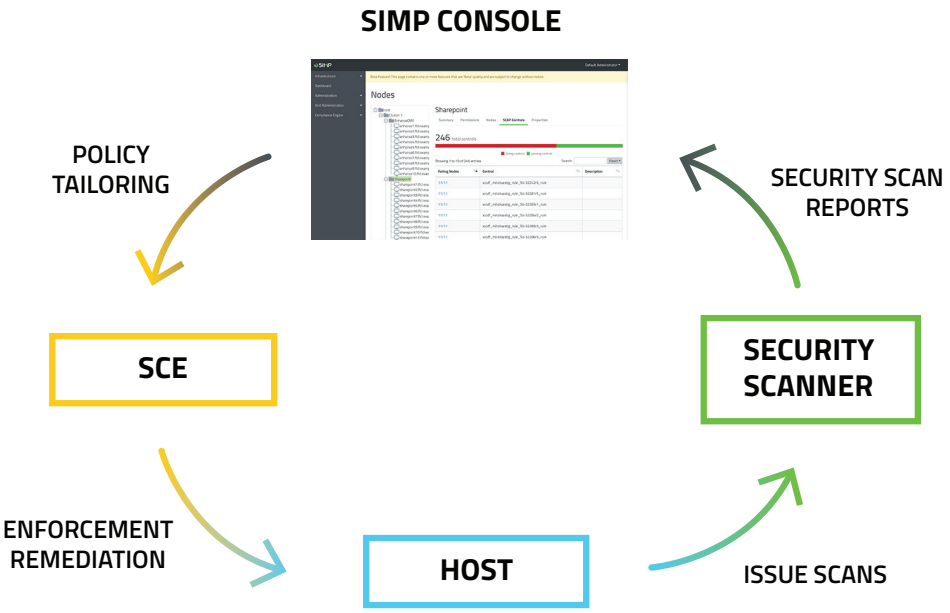
The SIMP Console provides insight into your system's continuous compliance posture and integrates data from the SIMP Compliance Engine to help you visualize the state of your Puppet-applied module parameters.

*The SCE and SIMP Console provide the knowledge you need to make informed decisions about your system security and compliance.*

SIMP Enterprise comes with a built-in utility that can initiate scans and forward actionable data to the SIMP Console to view. The SIMP Console can ingest multiple scan types from multiple sources on both Linux and Windows systems. SIMP Enterprise ships with OpenSCAP and S-CAT. These data points provide continuous comprehensive visualization of the current state of your infrastructure's compliance.

SIMP Console also allows visualization of other SCE data, including insight into the compliance state of your Puppet catalog. Your team can see and understand how compliant their host is expected to be after the catalog is applied. This allows for compliance evaluation at two levels; the catalog via SCE data and the host via the SIMP scanning utility.

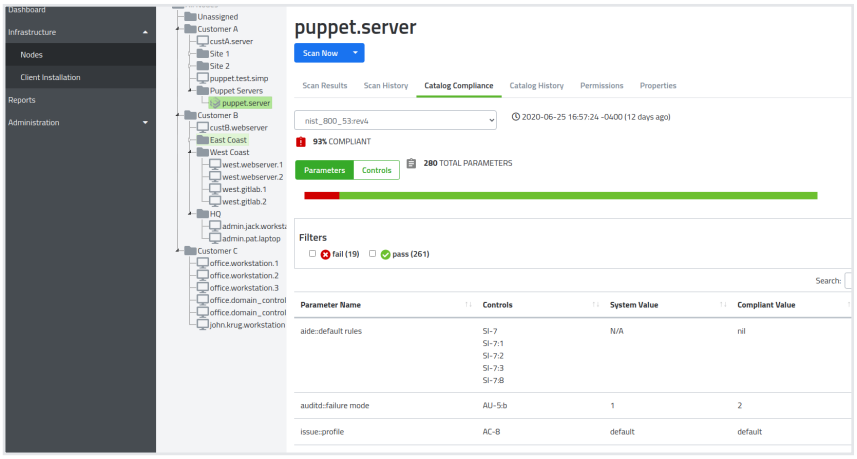
Using the SIMP Console, your security team can receive notifications and reports on active findings on a specified group of hosts, and immediately see the impact level. Using the information in the SIMP Console they can then notify your operations team and provide them with the list of hosts that are out of compliance, the steps to remediate the reported issues, and the specific code needed to implement the fix. In addition, it affords organizations options to enforce these remediations or use them to create customized baselines.

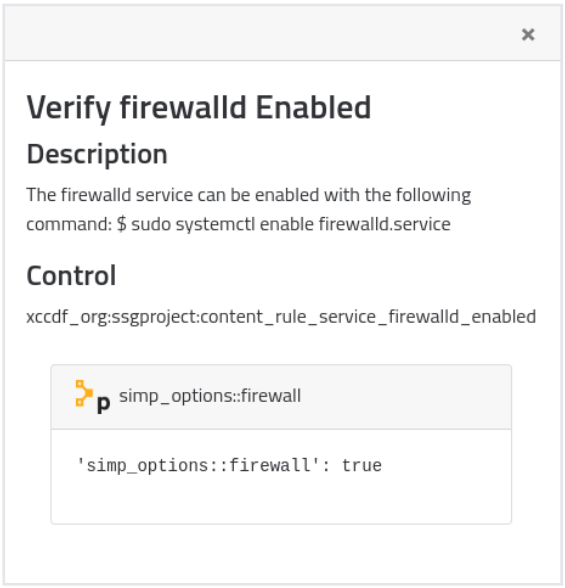


## SIMP Console at a Glance

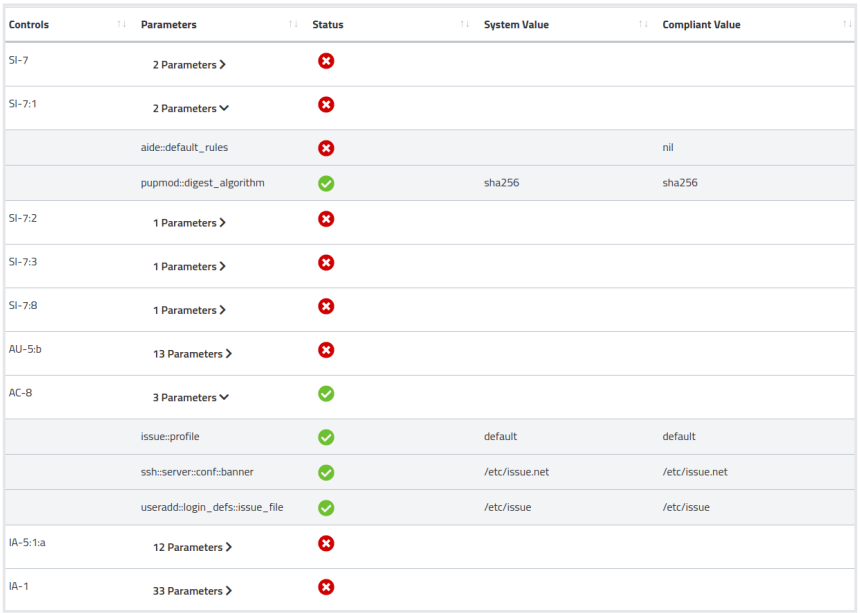

*Our SIMP Console Dashboard gives you a quick check on the compliance health of all of your organization's host groups*

*Get a complete overview of your infrastructure's compliance*




*Get the exact code you need to remediate your findings*



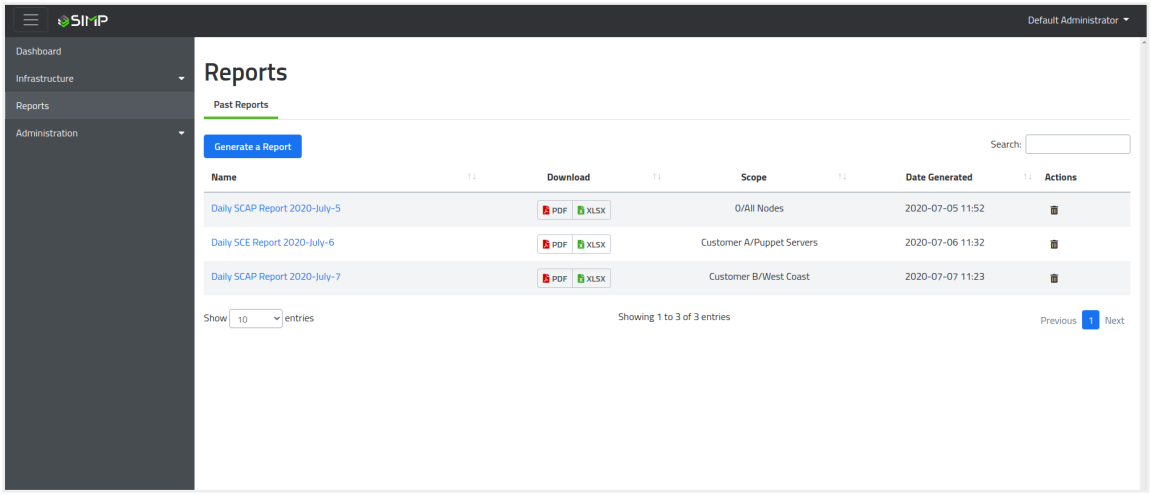
| Controls | Parameters | Status | System Value | Compliant Value |
|---|---|---|---|---|
| SI-7 | 2 Parameters | | | |
| SI-7:1 | 2 Parameters | | | |
| | aide::default_rules | | | nil |
| | pupmod::digest_algorithm | | sha256 | sha256 |
| SI-7:2 | 1 Parameters | | | |
| SI-7:3 | 1 Parameters | | | |
| SI-7:8 | 1 Parameters | | | |
| AU-5:b | 13 Parameters | | | |
| AC-8 | 3 Parameters | | | |
| | issue::profile | | default | default |
| | ssh::server::conf::banner | | /etc/issue.net | /etc/issue.net |
| | useradd::login_defs::issue_file | | /etc/issue | /etc/issue |
| IA-5:1:a | 12 Parameters | | | |
| IA-1 | 33 Parameters | | | |

*Visualize your system parameters mapped to common compliance regulations*

| Parameter Name | Controls | System Value | Compliant Value | Status |
|---|---|---|---|---|
| aide::default rules | SI-7<br>SI-7:1<br>SI-7:2<br>SI-7:3<br>SI-7:8 | N/A | nil | ✗ |
| auditd::failure mode | AU-5:b | 1 | 2 | ✗ |
| issue::profile | AC-8 | default | default | ✓ |
| pam::cracklib difok | IA-5:1:a | 4 | 8 | ✗ |

*Data from the SIMP Compliance Engine can let you know how compliant your catalog is before you apply it*

*Easily generate reports in PDF, XLSX, and HTML formats*




## Conclusion

Maintaining the compliance of your systems can be a daunting task. SIMP Enterprise provides critical visualization for your system's compliance data while providing actionable configurations to apply to your infrastructure, thus continuously enforcing compliance. SIMP combined with Onyx Point engineering will provide you with the foundation for enforcing, visualizing, and reporting your compliance requirements.

### About Onyx Point

Founded in 2009, Onyx Point, Inc. focuses on providing compliance and automation solutions for both government and commercial clients. Our team is built on a foundation of experts in Security, Systems Administration, DevOps, and Infrastructure fields with many years of experience to address any compliance or automation need. RealogicWorks partnered with Onyx Point to provide compliance and automation solutions to commercial and government clients outside of the United States.

Onyx Point actively develops and supports a full family of products and services for SIMP including a core Open Source Community Edition (CE) product and a scalable Enterprise (EE) edition. They are partnered with Puppet and GitLab to offer full-featured and customized training and support solutions for your systems.

We are authorized as a GSA IT Schedule 70 provider for government contracts. Our engineers, developers, and consultants are driven by FOSS (Free and Open Source) development philosophies geared to reduce IT lock-in and increase scalabity and efficiency.

Onyx Point, Inc. knows security and compliance. Our teams are sure to leave you with a solid infrastructure and a lasting impression. Contact us at **simp@realogicworks.com**