myst

> "We are now able to install, create and configure a full Oracle Middleware environment consisting of 6 HA Domains; 5 SOA Domains with AIA FP and 1 ODI Domain in 2 hours, as opposed to the 30 days it previously took to create manually."

EATON

ORGANIZATION
Eaton Corporation,
USA

BUSINESS
Fortune 200 Company, providing electrical, hydraulic and mechanical power management solutions to customers in 175 countries.

SOLUTION
Implemented Private integration Platform as a Service (iPaaS) for Oracle SOA Suite. Allows scale on demand, including spinning up new SOA Domains as needed.

ORACLE FUSION MIDDLEWARE
- Oracle AIA O2C PIP
- Oracle AIA Foundation Pack
- Oracle SOA Suite
- Oracle WSM
- Oracle BAM
- Oracle Service Bus

- Oracle Data Integrator

RESULTS
- **300% ROI** over 2 years.
- From 30+ days to 2 hours, rapid provisioning.
- **Savings**; no longer need to engage 3rd party consultants.
- **25% Reduction** in test defects due to elimination of configuration defects.

Platform as a Service for Oracle SOA

Eaton's core "philosophy" is to grow the business through acquisition, including the recent acquisition of Cooper Industries; a key enabler of this strategy is the continued IT integration of the systems of acquired companies with Eaton's core systems.

Eaton adopted the Oracle SOA Suite approx. 4 years ago, since then it has become the core digital nervous system for enterprise integration. As Eaton's use of SOA has grown, this has placed additional demand on IT to rapidly scale out and sustainably govern the existing SOA platform.

Historically, the process of provisioning Oracle Fusion Middleware environments has been a manual process, performed by third party consultants. This has proved to be time consuming, error prone and expensive. The knock on effect to Eaton, has been a reduction in agility and speed to respond to changing business conditions and competition.

Platform as a Service

To meet future demands, Eaton has adopted MyST to deliver a Private integration Platform as a Service (iPaaS) for Oracle SOA, which allows Eaton to scale on-demand, including spinning up new SOA Environments as needed.

MyST is used to fully automate the provisioning of new environments as well as the ongoing configuration management and patching of existing environments. All delivered through a declarative based automation framework. No coding!

Speed of Implementation

The initial implementation consisted of the wizard driven modeling of a standardized Platform Blueprint, which is used to define a common topology and configuration for all environments.

The next step was to automate the build and deployment of the over 300 artifacts to each environment. The dependency management, tokenization of environment variables, and flow of tasks was all managed using MyST's continuous build module.

The work was performed on-site by a single consultant within two weeks.

User Adoption

Approx. 2 days training was provided to Eaton's system administrators, which then enabled them to take the Platform Blueprints implemented for the Development Domain and use them to automate the provisioning of the Test, QA and Prod Environments (each consisting of 6 WebLogic Domains).

Platform Maintenance

To make configuration changes, users just update the Platform Blueprint; MyST will perform the required steps to upgrade an environment.

Platform Blueprints are placed under version controlled, providing complete control in promoting configuration changes across environments.

Result

With MyST, Eaton are able to provision a highly complex Oracle SOA Environment at the push of a button, with the entire process taking minutes; previously they would have been required to engage a 3rd party consultant to create manually, which typically took approx. 6 weeks to provision a single environment.

What was once a resource intensive and highly error prone process and been transformed into one that is automated, predictable and low risk.