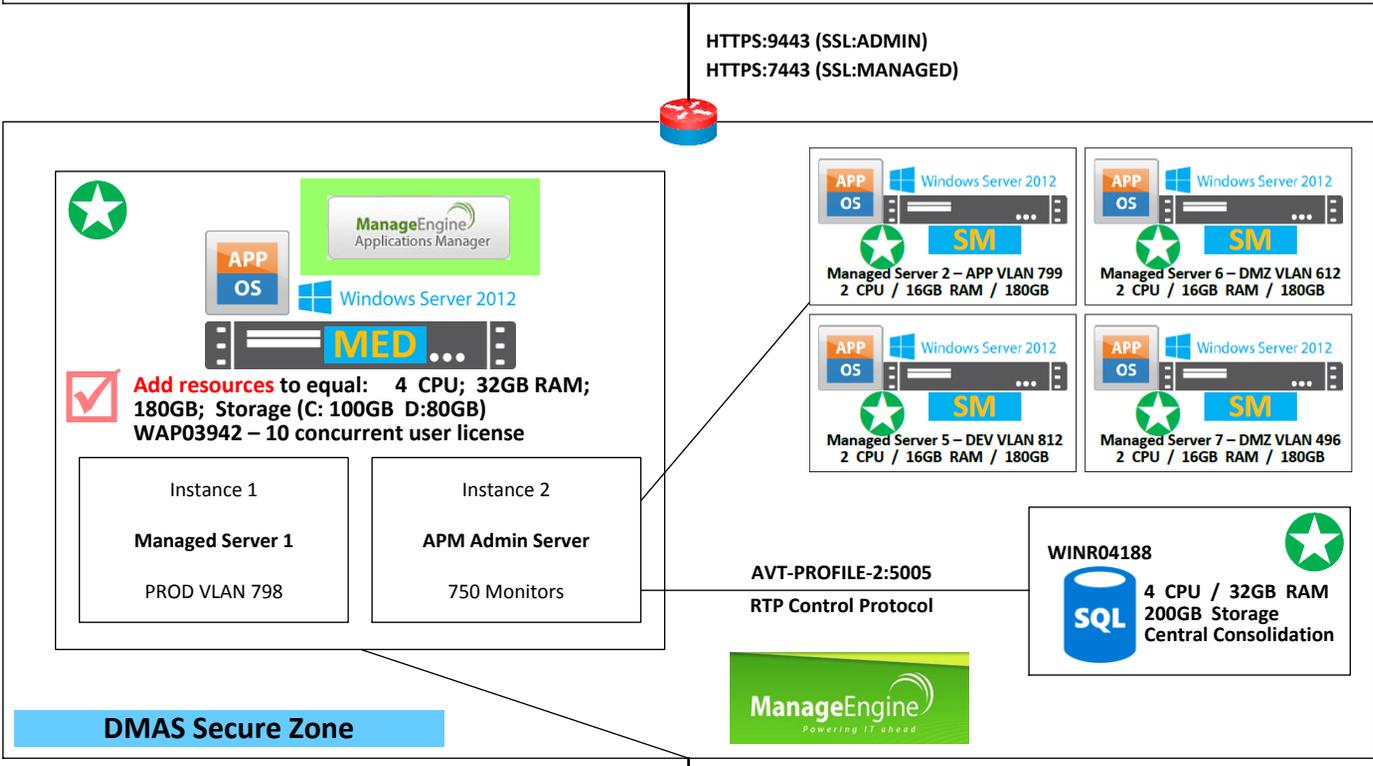
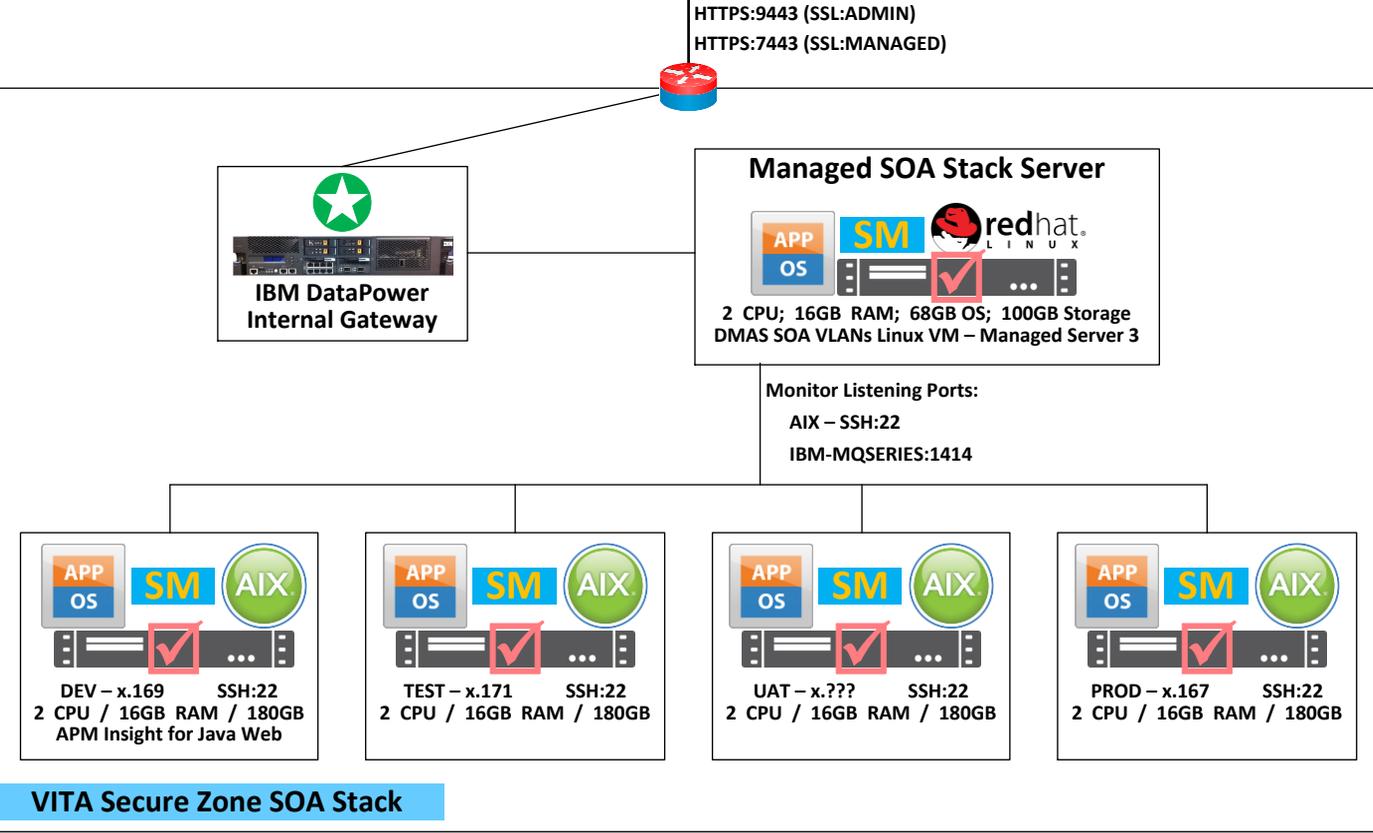




DMAS Internal Network



DMAS Secure Zone



VITA Secure Zone SOA Stack

Communication Flows:

- ▶ The MEAM Managed servers communicate two-ways with the **MEAM Admin server** via HTTPS:9443, and the Admin server communicates back with the Managed servers via HTTPS:7443.
- ▶ The MEAM Managed servers communicate one-way with the **"Monitors"** with the Managed servers SSH initiating for most, and port 1414 for WebsphereMQ.
- ▶ APM insight is an add on that installs in WebSphere and initiates one-way communication to the Managed SOA stack server HTTPS:7443.

DMAS APM MEAM Project Team

- Ganesh Ganti (Project Manager)
- Christopher Brown (DMAS AITR)
- Eric Hunter (IT Services)
- Steven Hanoka (IT Services)
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- Jim Bortle (IT Support)

= Needed = Already exists

VITA Discussion Document // March 7, 2018

PURPOSE: To depict the information found in the VAR-733 submission documents as a single model.



ManageEngine Applications Manager (MEAM) https://www.manageengine.com/products/applications_manager/
 All monitoring in a single console. Single, integrated platform to monitor entire application ecosystem - end user, apps, and underlying infrastructure components such as app servers, databases, big data stores, middleware and messaging components, web servers, web services, ERP packages, virtual systems, and cloud resources. Monitor homegrown apps with custom scripts. Value: Lesser point tools to manage; Troubleshoot performance issues faster and effectively.



How ManageEngine Applications Manager (MEAM) works.

IBM DataPower

Single security and integration gateway platform to provide security, integration, control, and optimized access to a full range of Mobile, API, Web, SOA, B2B, & Cloud workloads.

They integrate systems of engagement with systems of record; control and manage traffic and service level agreements; optimize data delivery and user experiences, and consolidate and simplify infrastructure footprint.



IBM DataPower Internal Gateway

Application Performance Monitoring (APM)

https://en.wikipedia.org/wiki/Application_performance_management

In the fields of information technology and systems management, APM is the monitoring and management of performance and availability of software applications. APM strives to detect and diagnose complex app performance problems to maintain an expected level of service. APM is "the translation of IT metrics into business meaning – to provide value. Two sets of performance metrics are closely monitored. The first set of performance metrics defines the performance experienced by end users of the application. One example of performance is average response times under peak load. The second set of performance metrics measures computational resources used by the application for the load, indicating whether there is adequate capacity to support the load, as well as possible locations of a performance bottleneck.

