**Mule Credentials Vault**

Mule credentials vault is implemented as stated in their reference document.

Reference: <http://www.mulesoft.org/documentation/display/current/Mule+Credentials+Vault>

**Environment changes:**

Following environment variables are introduced. prod.key (key to encrypt the fields) and mule.env {dev, qa, staging, prod} and their corresponding properties file is ${mule.env}-3ps-dax-int.properties which needs to be placed in the server classpath eg: MULE\_HOME/conf. App.properties.override.location is removed. In the MULE\_HOME/wrapper.conf add the following

wrapper.java.additional.XXX=-Dmule.env=qa/staging/prod

wrapper.java.additional.XXX=-Dprod.key=16-Character-Key

XXX – Next sequence number in the conf file.

This prototype uses AES Encryption (128 bit). Others encryption algorithms are available.

**Additional Notes:**

**Installing Anypoint Enterprise Security**

Reference: <http://www.mulesoft.org/documentation/display/current/Installing+Anypoint+Enterprise+Security>

Note: There were some compatibility issues in installing anypoint enterprise security. A [ticket](https://na6.salesforce.com/5008000000XkzVR) was raised with Mulesoft to resolve this. The resolution is as below.

If you're using Mule runtime 3.4.x then you need to use the Security module version 1.2.x, whereas for a runtime 3.5 you can use the latest Security module version.

In our case the server runtime is 3.4.1 EE. So use this URL to install Anypoint Enterprise Security <http://s3.amazonaws.com/security-update-site-1.2.5>

**Best practice on Mule credentials vault. (**Please refer this [ticket](https://na6.salesforce.com/5008000000Xl19Z) raised by us**)**

The recommended approach for the sys-admin to create Mule credentials vault is by creating a Mule project and encrypting the fields in the property file.