**Zenoss Community ZenPack “NetApp-OCUM”**

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| **Introduction** | This document provides information on the Community ZenPack created by NetApp IT called “NetApp-OCUM”. The NetApp OnCommand Unified Manager (OCUM) server monitors events from NetApp storage appliances. Events are categorized by the type of impact area such as availability, capacity, configuration, or protection. Those events are forwarded as SNMP traps to Zenoss for centralized monitoring and notification via emails or tickets if Zenoss is integrated with Service Now. This ZenPack can be downloaded and installed into Zenoss Resource Manager server to monitor traps sent from the NetApp OnCommand Unified Manager (OCUM) server. |

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| **Revision History** | Version 1.0.1  Document Created Date: October 13, 2016 |

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| **Purpose** | To provide the information regarding the Zenoss Community ZenPack called “NetApp-OCUM” |
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| **Scope** | This ZenPack was tested with Zenoss RM4.2.5 and NetApp OnCommand Unified Manager v.7.0. |

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| **What’s in this ZenPack?** |  |

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| **OCUM Transform Rules** | Below are the transform rules for Zenoss to filter out the traps from OCUM with OID starts with ('1.3.6.1.4.1.789.5'):   * Set the Severity to Critical of only traps we want to be alerted. All other traps will be discarded. * Change Event detail to replace the OCUM server with the NetApp Filer Name for proper identification of where the alert came from. * Change the Event Summary to use the OCUM Event Message Details |

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| **NetApp Transform Rules** | Below are the transform rules for Zenoss to filter out the traps from OID starts with ('1.3.6.1.4.1.789.0') |

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| **DFM Transform Rules** | Below are the transform rules for Zenoss to filter out the traps from OID starts with ('1.3.6.1.4.1.789.3') |

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| **ZenPack Installation Procedure** | Follow the procedure below to install the ZenPack with Normal installation of the packaged egg or in Developer Mode. |

**Normal Installation (packaged egg)**

* Download the appropriate egg file for the version of Zenoss you are running.
* Ensure you are logged in as the zenoss user:

$ **sudo su - zenoss**

* Install the ZenPack:

$ **zenpack --install ZenPacks.community.NetApp-\*.egg**

* Restart these services:

$ **zenoss restart**

**Developer Mode Installation**

In order to do a development mode installation, you will want to clone the existing git repository, and then use the --link flag with the zenpack command:

* Ensure you are logged in as the zenoss user:

$ **sudo su - zenoss**

* Start by cloning the upstream repository:

$ **git clone git://github.com/zenoss/ZenPacks.community.NetApp-OCUM.git**

* Next, perform the installation:

$ **zenpack --link --install ZenPacks.community.NetApp-OCUM**

* Finally, restart these serivices:

$ **zenoss restart**