Title:

# **Install and Configure AIDE**

Description:

Workflow for handling packages related to the installation of AIDE (Advanced Intrusion Detection Environment). This bundle has dependency on Core and Validation KI bundles. For more information related to AIDE and related installation steps, please check   <https://www.digitalocean.com/community/tutorials/how-to-install-aide-on-a-digitalocean-vps>

Readme

**Important**: The Knowledge Items of this bundle try to simulate Workflows seen in frameworks such as Chef, Puppet and Ansible.

For this reason, Workflow KIs seem to not follow traditional best practices of KI Creation in terms of reusability. They are, however atomic pieces of knowledge, meaning the knowledge cannot be broken down further while still maintaining the same level of functionality.

Due to the controlled nature of the Workflow approach, the Workflow KIs try to structure Tasks like steps in a sequence rather than letting AutoPilot pick the path to a solution.

In order to simulate these Workflows, the Knowledge Items are split into 3 groups:

* Workflow KIs
* Validation KIs and
* Core KIs.

This bundle intends to install AIDE with all its related application and libraries on the given host.

Dependencies

1. Core KIs bundle
2. Validation KIs bundle

For this bundle to run, you will need MARS nodes in AutoPilot engine. For your reference, please see sample nodes below (at the end of this readme).

Steps to run

1. Put the validation KIs bundle in AutoPilot engine
2. Put the core KIs bundle in AutoPilot engine
3. Put the Workflow KI AIDEWorkflowHandlePKG.xml (attached with this bundle) in AutoPilot engine
4. Put the Issue in AutoPilot engine to trigger this KI
   * For your reference, please see sample issue below
5. This will trigger the KI and run the workflow to install AIDE on your machine (as specified in the Issue)

Workflow KI in this bundle, runs below installation steps (as per the link mentioned in the description) on the target machine (as specified in the Issue)

1. Installs debconf-utils, if not already installed
2. Run the command to update debconf-set-selections with mailname for AIDE silent install
3. Run command to update debconf-set-selections with main\_mailer\_type string Internet Site for AIDE silent install
4. Installs aide, if not already installed
5. Run command to configure aide
6. Run command to update aide configuration file

Sample Issue

Issue:

NodeID: OpexSoftware:Workflow:Application:AIDEApplication

xmlns: http://www.arago.de/IssueSchema

IssueSubject: 'Please Install and Configure AIDE'

AIDEWorkflowHandlePKG:

TargetApp: AIDEApplication

TargetMachine: Puja

TargetState: Created

EmailID: pujasalampuria@gmail.com

HostName: puja-Inspiron-3542

DebconfPkg: debconf-utils

User: puja

Host: 192.168.1.86

Machine Node

<Linux xmlns="http://mars-o-matic.com" ID="OpexSoftware:Workflow:Machine:Puja"

HasAgentType\_WatchMe="False" MachineArchitecture="x86\_64"

NodeType="Machine" MachineClass="Linux" NodeName="Puja">

<Dependencies>

<Node ID="OpexSoftware:Workflow:Software:AIDE" />

</Dependencies>

<CustomerInformation ID="opex.com" Name="opex"/>

<Extensions>

<ssh User="puja" />

<PasswordPolicy MinLength="8" MaxLength="14" CharSet="alnum" />

</Extensions>

<OSInformation Name="Ubuntu" MajorVersion="14" Vendor="Ubuntu" />

<NetworkInformation>

<InterfaceInformation>

<Interface Name="eth1" IP="172.27.220.23" />

</InterfaceInformation>

</NetworkInformation>

</Linux>

Software Node

<AutoPilot xmlns="http://mars-o-matic.com" ID="OpexSoftware:Workflow:Software:AIDE"

NodeType="Software" SoftwareClass="Automation"

SoftwareSubClass="AutoPilot" NodeName="AIDE">

<Dependencies>

<Node ID="OpexSoftware:Workflow:Machine:Puja" />

<Node ID="OpexSoftware:Workflow:Resource:AIDEResource" />

</Dependencies>

<CustomerInformation ID="opex.com" Name="opex"/>

</AutoPilot>

Resource Node

<Security xmlns="http://mars-o-matic.com" ID="OpexSoftware:Workflow:Resource:AIDEResource"

NodeType="Resource" ResourceClass="Security" NodeName="AIDEResource">

<Dependencies>

<Node ID="OpexSoftware:Workflow:Software:AIDE" />

<Node ID="OpexSoftware:Workflow:Application:AIDEApplication" />

</Dependencies>

<CustomerInformation ID="opex.com" Name="OpexSoftware" />

</Security>

Application Node

<ApplicationSuite xmlns="http://mars-o-matic.com" ID="OpexSoftware:Workflow:Application:AIDEApplication"

NodeType="Application" ApplicationClass="Enterprise"

ApplicationSubClass="ApplicationSuite" NodeName="AIDEApplication">

<Dependencies>

<Node ID="OpexSoftware:Workflow:Resource:AIDEResource" />

</Dependencies>

<CustomerInformation ID="opex.com" Name="OpexSoftware" />

</ApplicationSuite>