Title:

# **Add and remove a user from sudoers list.**

Description:

Workflow for adding and removing a user from sudoers list. This bundle has dependency on Core and Validation KI bundles.

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 add or remove users from sudoers list 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 AddSudoUserWorkflow.xml and RemoveSudoUserWorkflow.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 add or remove users from sudoers list 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. Add sudo package if not present.
2. Add/Remove a user to sudoers list.

Sample Issue

1. Issue to add a user to sudoers list.

Issue:

NodeID: OpexSoftware:Workflow:Machine:Shree

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

IssueSubject: 'Add User to Sudoers list'

AddSudoUserWorkflow:

TargetMachine: Shree

TargetState: Created

LinuxUser: opex

User: shreyas

Host: 192.168.1.69

2. Issue to remove a user from sudoers list.

Issue:

NodeID: OpexSoftware:Workflow:Machine:Shree

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

IssueSubject: 'Remove User from Sudoers list'

RemoveSudoUserWorkflow:

TargetMachine: Shree

TargetState: Created

LinuxUser: opex

User: shreyas

Host: 192.168.1.69

Machine Node

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

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

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

<Dependencies>

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

</Dependencies>

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

<Extensions>

<ssh User="shreyas" />

<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

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

NodeType="Software" SoftwareClass="WebServer"

SoftwareSubClass="ApacheHTTPD" NodeName="ApacheHTTPD">

<Dependencies>

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

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

</Dependencies>

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

</ApacheHTTPD>

Resource Node

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

NodeType="Resource" ResourceClass="Service" NodeName="WebResource">

<Dependencies>

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

<NodeID="OpexSoftware:Workflow:Application:EnterpriseInfrastructure" />

</Dependencies>

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

</Service>

Application Node

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

NodeType="Application" ApplicationClass="Enterprise"

ApplicationSubClass="EnterpriseInfrastructure"

NodeName=”EnterpriseInfrastructure">

<Dependencies>

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

</Dependencies>

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

</EnterpriseInfrastructure>