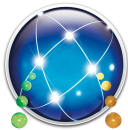


DeployStudio

Advanced Workflows and Discussion



Agenda

-  Workflow Organization
-  Computer Groups
-  Nested Workflows
-  Access Groups
-  Runtime Environment Variables



Workflow Organization

- 🌐 Like the Dewey Decimal System
- 🌐 Creating order before complexity increases
- 🌐 Assigning workflows numbers
 - 🕒 Allows for selecting workflows using your keyboard
 - 🕒 Helps with training and documentation
- 🌐 Sanity



List of Workflow Groups

100 === [Primary Workflows] ===

200 === [Configuration] ===

300 === [Software] ===

400 === [Scripts] ===

500 === [Testing Images] ===

700 === [Meta Tasks] ===

800 === [Dual Boot Workflows] ===





900 === [Development] ===

Standard
Workflows

Testing &
Optional
Workflows



Computer Groups

-  Assign automated workflows
-  Organize Workstations
-  Conditionally run workflows based on membership
-  Bulk apply properties consistently



Computer Groups

 Create a “reboot.sh” script

```
#!/bin/bash
```

```
reboot
```

 Create a new meta (700) workflow.

 701 - Reboot

 Add “Generic” task that points to reboot.sh

 Create new computer group “Default”

 Automation -> “Default group”

 Start Workflow Automatically -> 701 – Reboot



Nested Workflows

- 🌐 Use the **Workflow** task.
- 🌐 Only allows workflows to be nested 1 layer deep.
 - 🌐 101 > 201 works
 - 🌐 101 > 201 > 301 doesn't work
- 🌐 Embedded workflows
 - 🌐 Static
 - 🌐 Dynamic



Nested Workflows

Create 2 new 900 level workflows

902 – Nested Workflow

 Add “Alert” task and make it say “Nested workflow is working!”

901 – Test Nesting

 Add “Workflow” task and select “902 – Nested Workflow”



RuntimeSelectWorkflow

Dynamic Workflows

 echo “RuntimeSelectWorkflow: <ID>”

 <ID> can be Name or Identifier of Workflow

 “RuntimeSelectWorkflow: 902 – Nested Workflow”

 “RuntimeSelectWorkflow: 0C0ED7AF-69BA-4B38-912F-5AE44CFEFC44”



Nested Workflows

```
ds_workflow_selector.sh
#!/bin/sh

# get machine model
MACHINE_MODEL=`/usr/sbin/ioreg -c IOPlatformExpertDevice
| grep "model" | awk -F\" '{ print $4 }'`

# echo the workflow ID or title prefixed by
"RuntimeSelectWorkflow:" according to the machine model
if [ "${MACHINE_MODEL}" = "MacBookPro8,2" ]
then
    echo "RuntimeSelectWorkflow: 0C0ED7AF-69BA-4B38-912F-
5AE44CFEFC44"
    #echo "RuntimeSelectWorkflow: 902-Nested Workflow"
fi
```



Access Groups

Assistant Setup

-  Members allowed to run the DeployStudio Assistant and configure DeployStudio.

DS Admin

-  Members allowed to log in to the DeployStudio Admin interface to modify workflows.

DS Runtime

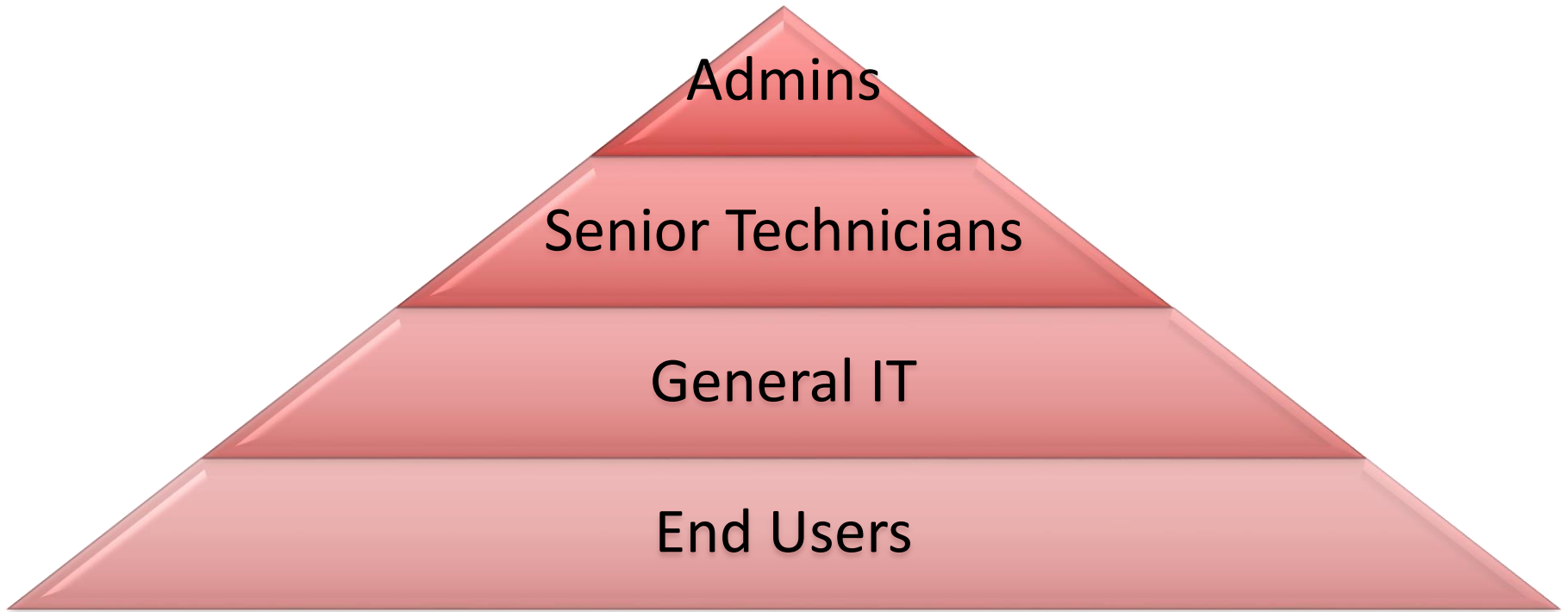
-  Delegate who has access to which workflows when logged into the Runtime.



Access Groups

Group Nesting

 Only one group to a workflow.



DeployStudio Runtime Environment Variables

 ds_example.sh

Shows all the environmental variables that are available.



DS Example

1. Create workflow 999 – DS Example
2. Add a generic task
3. Select ds_example.sh
4. Launch DS Runtime
5. Cmd-L opens the log window
6. Run workflow 999



Other Topics

-  Import computer by CSV
-  Custom Properties



Q & A

Nathan Felton

@n8felton

<https://github.com/n8felton>

<http://n8felton.wordpress.com>

<irc://irc.freenode.net/##osx-server>

