Lab Manager Add / Remove Machines

This document details the process for managing machines in a Lab Manager Rig.

## Create a new clone of library item

In **Lab Manager**

* 1. Select **Library** in left hand navigation
  2. Hover over appropriate Library item, select Clone to Workspace from menu
  3. In Clone to Workspace popup
     + Select Infrastructure from the drop down
     + Click OK
  4. Select the **Infrastructure** workspace
  5. The newly cloned rig should be available in the list

## Remove machines

Take the following steps to remove unwanted machines or machines to be replaced.

In **Lab Manager**

* 1. In the appropriate workspace, select the Rig
  2. A list of the machines in the rig should be displayed.
  3. Hover over the machine to be removed
     + A menu should appear
     + Click Delete in the menu

To remove machine from the Active Directory machine

In **Lab Manager**

* 1. Deploy Active Directory machine (FAEADG001)
     + Hover over machine
     + In Menu, select ‘Deploy...’
     + Click OK
  2. Once AD machine has deployed, RDP to the machine  
      (use FAELAB\xjasonblackford Ches1549#)

On **Active Directory** machine

* 1. To remove machine from Active Directory
     + Open Command Prompt
     + Type net computer \\<machinename> /del  
       (e.g. net computer \\TS-DB1 /del)
  2. To remove machine from DNS
     + In Command Prompt
     + Type dnscmd /recorddelete faelab.tfl.local <machinename> a  
        (e.g. dnscmd /recorddelete faelab.tfl.local ts-db1 a)

(Note: the machine name is not “\\” prefixed in this case)

* + - Respond to any prompts
  1. Check for entries in DNS
     + In Command Prompt
     + Type dnscmd /enumrecords faelab.tfl.local <machinename>
     + No records should be returned
  2. Logoff AD Machine
     + In Command Prompt
     + Type logoff
  3. Ensure the Rig is Undeployed.
     + Hover over Rig in Lab Manager
     + Select Shut Down from the menu (and wait until complete)
     + Hover over Rig In Lab Manager
     + Select ‘Undeploy’ (and wait until complete)

## Add New Machine to Rig

* 1. Select Rig in Lab Manager
  2. Click on Add Virtual Machines... button
  3. In Add Virtual Machine dialog
     + Select the appropriate VM Template from Source Dropdown
     + Update Machine Name
     + Click the 'Update' button
  4. Set Boot Sequence and Boot Delay
     + Open the machine properties dialog
     + Set the Boot Sequence to 1 (or more)
     + Set the Boot Delay to 240 seconds
     + Click OK
  5. Deploy Rig; to run sysprep and AD/DNS setup scripts
     + Hover over machine
     + In Menu, select ‘Deploy...’
     + Wait a long time (2 automatic reboots are performed)

## Deploy Rig and Check Connectivity

* 1. Deploy Rig
     + Hover over machine
     + In Menu, select ‘Deploy...’
  2. Connect to the new machine with an AD account (e.g. tfsbuild)

## Capture Rig to Library

* 1. Shut rig down
     + Hover over Configuration Name
     + In Menu, select Shut Down
     + Undeploy Rig.
  2. Capture to Library
     + Hover over the Configuration Name
     + In Menu, select ‘Capture to Library...’
     + Check 'Gold Master' option.
  3. Share the library configuration
     + Right click configuration and select 'Sharing...'
     + Click 'Add Users' and select 'Everyone in Organisation'
     + Click 'Add' (with default Read access).

## Appendix A: Check List

|  |  |  |
| --- | --- | --- |
| *Clone* | Clone from Library (x) to Infrastructure workspace |  |
| *Delete* | Delete Machine from rig |  |
|  | Deploy ADG server |  |
|  | Login with admin account (xJB) |  |
|  | net computer \\<machinename> /del |  |
|  | dnscmd /recorddelete faelab.tfl.local <machinename> a |  |
|  | dnscmd /enumrecords faelab.tfl.local <machinename> |  |
|  | Shutdown ADG server |  |
|  | Undeploy ADG server |  |
| *Add* | Add Machine replacement |  |
|  | Set Boot Sequence = 1 |  |
|  | Set Boot Delay = 60 | 240 |  |
| *Deploy* | Deploy whole rig |  |
|  | WAIT |  |
| *Test* | Login to new machine with FAELAB domain account |  |
|  | Shutdown new rig |  |
|  | Undeploy new rig |  |
| *Capture* | Capture to Library (as x.new) |  |
|  | Share new library (Read-only, all in Fares and Ticketing) |  |
| *Test* | Additional Test if required |  |
| *Cleanup* | Rename x as x.old (clear Gold Master flag) |  |
|  | Rename x.new as x (set Gold Master flag) |  |
|  | Delete move template from Infrastructure |  |