

# Data Center XEN Migration

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## About This Document

Each Utopia Demo will have two or three pieces of documentation, to be used as follows:

1. use this Quickstart to prepare for your demo meeting. It includes everything you need to know to get the right virtual machines started and ready to begin showing the solution. Use this quickstart if you are building the demo locally on your own hardware or if you are accessing a pre-built version on the Novell Online Demo System (NODS)
2. Once your demo virtual machines are started and at the right place you're ready to begin your demo. If you know the products and your customer's requirements then you can go ahead and deliver your own demo using the system. However if you would like further instructions then the Tutorial will give you a guide of how to drive the demo.
3. In some cases a third piece - a Sample Demo is provided, which gives an illustration of how the solution might be shown to a customer.

For online copies of all these documents please visit <http://www.novell.com/partners/demosystems>

## Demo Synopsis

The following demo will demonstrate the capabilities of XEN migration. Running VM from one host to another whilst still running a video

## Setup Instructions

The mono SLE11 demonstration requires a minimum of two machine. The machine must have the same processor type ie x64 and running the XEN Kernel. On machine must be capable of playing a ogg file

For the Live migration to work several modifications need to be made to `/etc/xen/xend-config.sxp`

Make sure the following lines are uncommeted

- `(xend-relocation-server no)`
- `(xend-relocation-port 8002)`
- `(xend-relocation-hosts-allow '')`

Change the following line:

- `(xend-relocation-server no)` Changed to `(xend-relocation-server yes)`

if you modified the file you will need to restart xend

- `/etc/init.d/xend restart`

Make sure UtopiaVault is available to both hosts and `xenstore` is mounted at `/utopia/xenstore`

Add `XENDemoServerUTP` to both hosts

- open terminal
  - `xm new /utopia/xenstore/XENDemoServerUTP/XENDemoServerUTP`

The virtual machine should now be available to manage

- Check via Virtual Machine Manager or command line `xm list`

Start XENDemoServerUTP on a single host

- Start via Virtual Manager or command line `xm start XENDemoServerUTP`

On the host with the ogg player create a nfs connection to XENDemoServer/nfsserver

- This can be done via YAST NFS Client or via the command line

### Virtual Machines

XENDemoServerUTP			
IP address	Memory	Disk Space	DVD #
172.17.2.46	512	NA	UtopiaVaultUTP

### User ID's

u:root p:n0v3ll

### Preparing The Demo

Open a ssh terminal to host 1 and display the running VM's with a update frequency of 1 second

- after ssh type `watch -n1 xm list`

Open a ssh terminal to host 2 and display the running VM's with a update frequency of 1 second

- after ssh type `watch -n1 xm list`

Open a ssh terminal to the host that is currently running XENDemoServerUTP

On the host with the ogg player and nfs share start playing the movie

Arrange all windows

### Notes / Issues

### Where next?

- Visit our documentation site at <http://www.novell.com/partners/demosystems> and navigate to the demo you are preparing
- Watch the Tutorial for your demo.
- Watch the Sample Demo if one is provided.
- In case of any issues please post your query to the support forum at <http://forums.novell.com/novell-product-support-forums/utopia/>