

How to deploy a single image from a ...



[Swordphish99](#) 6 posts since

Jun 19, 2009

In the Lab Manager GUI you are able to select the images you want to deploy from a library configuration, is there a way to do this with the SOAP API

Thanks in advance...



[Michael Ottati](#) 93 posts since

Jan 6, 2006 **1. Re: How to deploy a single image from a multimage configuration?** Jun 25, 2009 5:21 PM

The ideal way to do it would be if there was some sort of a ConfigurationCheckoutEx method that would allow you to selectively checkout machines from the source configuration.

Then next best thing would be checkout a new configuration from the source and "prune away" the machines you did not want. In order for such pruning to occur a ConfigurationDeleteMachine method would be required. There is a ConfigurationAddMachine(Ex) call however both the original and Ex variant only provision for templates to be added, not machines from other configurations.

It appears that you could clone the entire configuration and use the ConfigurationDeployEx method supplying only these parameters.

```
public void ConfigurationDeployEx(  
int configurationId, ##  
bool honorBootOrder, true  
bool startAfterDeploy, false
```

You would then have to iterate through the machines in the configuration and power them on individually. This seems like a lot of work and you would still not quite have the outcome you desire. The powered off VMs that you did not want would still occupy disk storage.

I had also considered using ConfigurationCopy in the way illustrated in the code fragment shown below:

```
Configuration c = proxy.getSingleConfigurationByName(sourceConfig);  
log("Copying library: " + sourceConfig + " to workspace: " + destinationConfig );  
ArrayOfMachine machines = proxy.listMachines(c.getId());  
ArrayOfVMCopyData vmCopyData = new ArrayOfVMCopyData();  
for (Machine m : machines.getMachines()) {  
VMCopyData vmcd = new VMCopyData();  
vmcd.setMachine(m);  
vmcd.setStorageServerName(m.getDatastoreNameResidesOn());  
vmCopyData.getVMCopyDatas().add(vmcd);  
}  
int checkedOutID = proxy.configurationCopy(c.getId(), destinationConfig, "my description", vmCopyData);  
log( destinationConfig + " has been successfully checked out.");
```

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The ConfigurationCopy method performs a full VM copy, not a linked clone and would end up consuming considerably more resources (including time) than you are likely to have budgeting to this task.



[Swordphish99](#) 6 posts since

Jun 19, 2009 **2. Re: How to deploy a single image from a multimage configuration?** Jun 26, 2009 6:50 AM

in response to: [Michael Ottati](#)

Thanks for your input, this is much appreciated. From this I can come up with a viable solution that will fit our business needs.

swordphish



[Swordphish99](#) 6 posts since

Jun 19, 2009 **3. Re: How to deploy a single image from a multimage configuration?** Jun 26, 2009 6:50 AM

in response to: [Michael Ottati](#) .



[AHutton](#) 50 posts since

Dec 4, 2008 **4. Re: How to deploy a single image from a multimage configuration?** Jul 1, 2009 11:33 AM

in response to: [Swordphish99](#) What would also be nice to add to this is the functionality of being able to checkout from one library configuration one or more of the machines into an existing workspace configuration as you can do through the web interface. It would be great to create through the API a workspace configuration based on multiple library configurations. We have many combinations of machines that need to go into a config, and it would be nice to keep the pieces separate for maintainability and merge them as we need into the different multiple machine combinations.



[Michael Ottati](#) 93 posts since

Jan 6, 2006 **5. Re: How to deploy a single image from a multimage configuration?** Jul 1, 2009 12:17 PM

in response to: [AHutton](#)

I agree with you completely.

This is essentially the question I was asking in: [SOAP Equivalent for: Clone to existing workspace?](#)

Lets hope that something gets added in the next release along with vSphere integration.