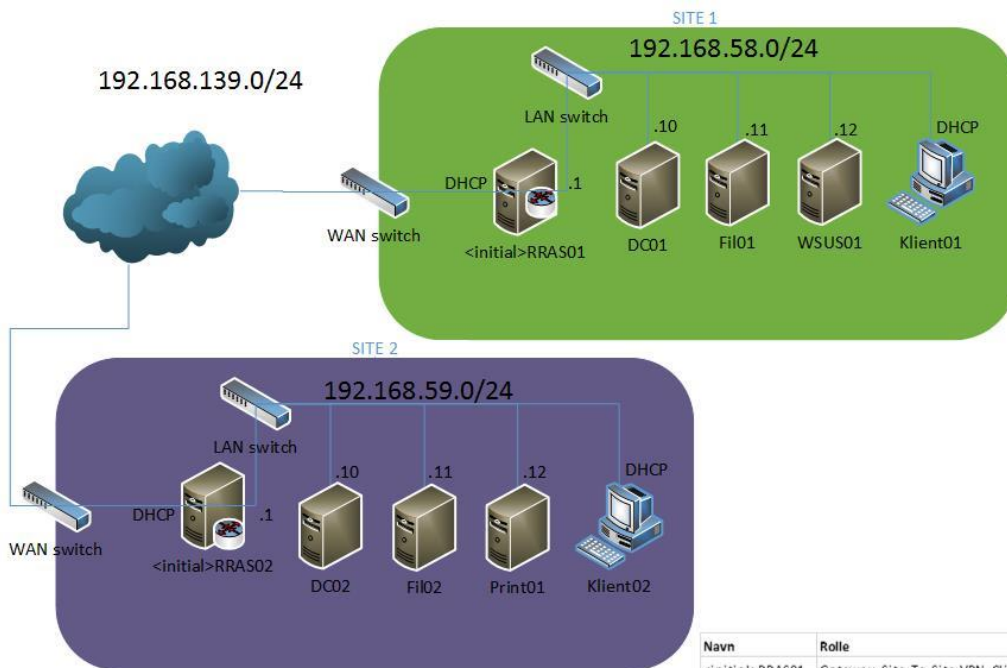


Structuring and creating accounts in Active Directory

In this guide we will create a structure in Active Directory, that supports the following departments in two sites.

- Management (Ledelse)
- Production (Produktion)
- Administration
- Sales (Salg)



Navn	Rolle	Operativsystem
<initial>RRAS01	Gateway, Site-To-Site VPN, Client/server VPN	Server 2012 Standard
DC01	Domain Controller, DNS, DHCP, PKI	Server 2012 Standard
Fil01	Fileserver	Server 2012 Standard
WSUS01	Windows Server Update Services Server	Server 2012 Standard
<initial>RRAS02	Gateway, Site-To-Site VPN, Client/server VPN	Server 2012 Standard
DC02	Domain Controller, DNS, DHCP	Server 2012 Standard
Fil02	Fileserver	Server 2012 Standard
Print01	Printserver	Server 2012 Standard
Klient01	Workstation	Windows 8 Enterprise
Klient02	Workstation	Windows 8 Enterprise

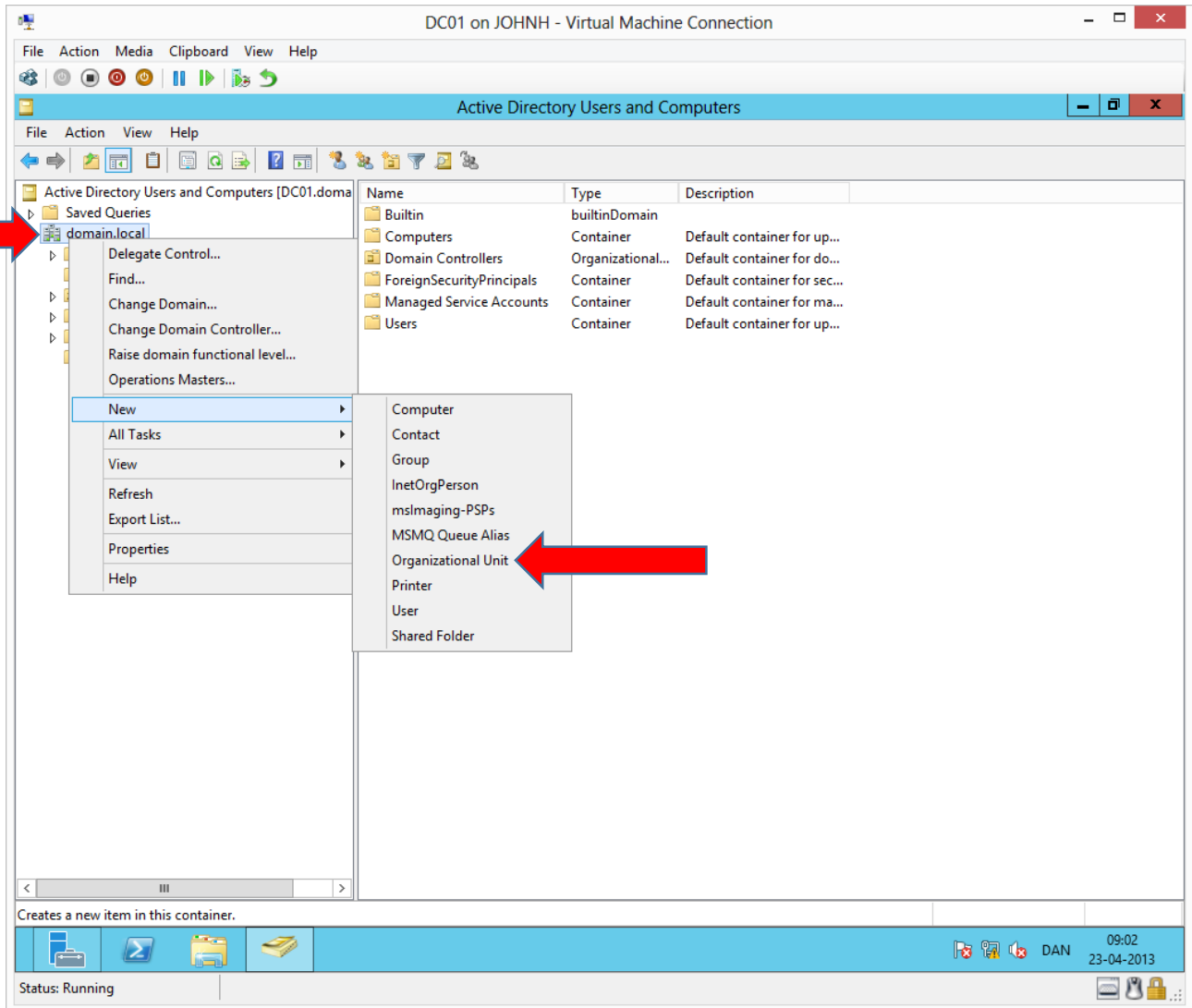
According to Microsoft there are several ways to structure Active Directory accounts. There is not just one solution, but some designs are more appropriate than others. It all depends on the company. See page 208-210 in the Microsoft Press book: *Configuring Windows Server 2008 Active Directory* (2nd edition) (70-640).

Creating an Organizational Unit (OU) structure

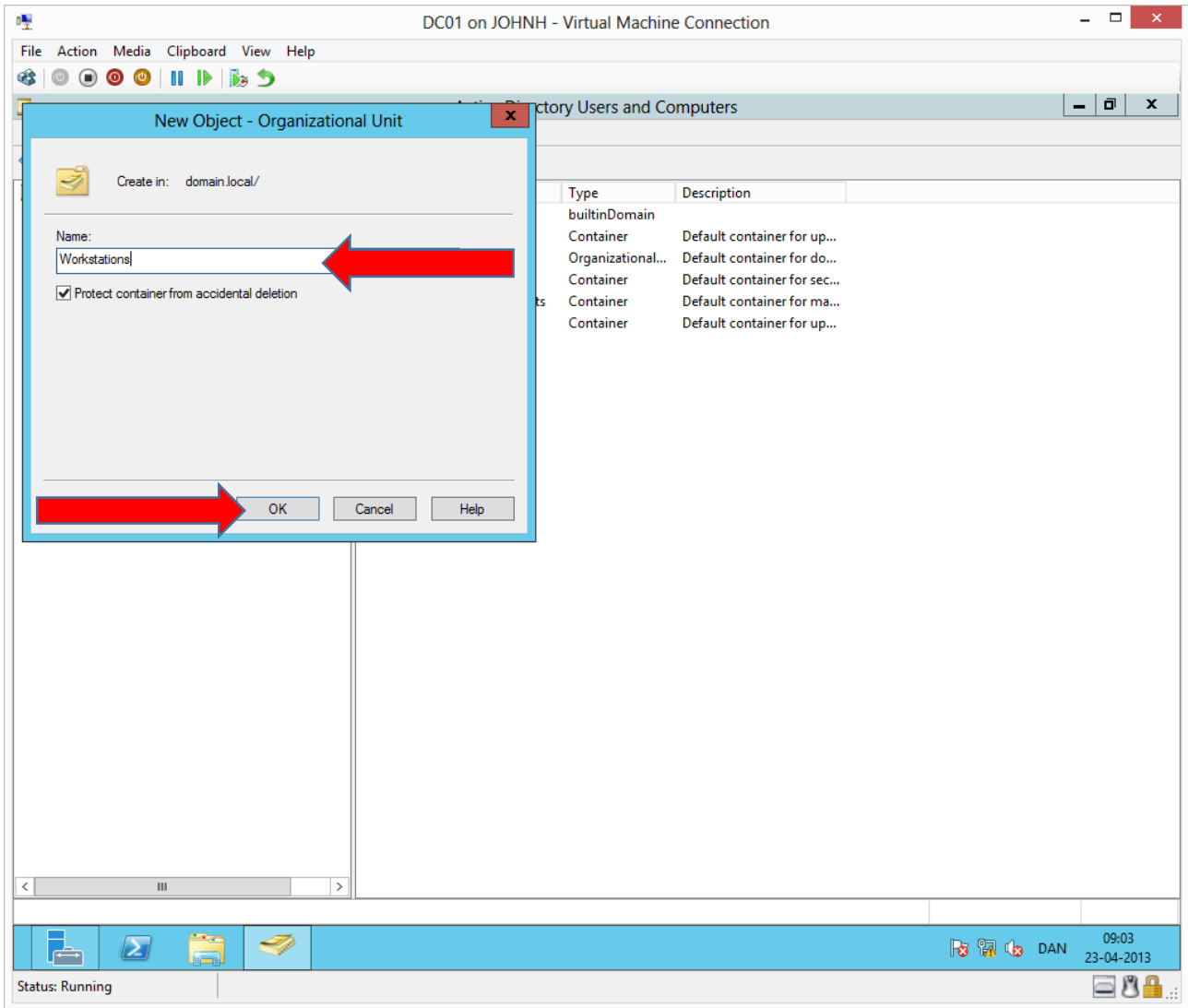
The screenshot displays the Windows Server Manager interface for a virtual machine named 'DC01 on JOHNNH'. The main dashboard shows a 'WELCOME TO SERVER MANAGER' section with a 'QUICK START' guide containing four steps: 1. Configure this local server, 2. Add roles and features, 3. Add other servers to manage, and 4. Create a server group. Below this, the 'ROLES AND SERVER GROUPS' section shows 'AD DS' and 'DHCP' roles, each with a 'Manageability' icon and a list of sub-items: Events, Services, Performance, and BPA results.

The 'Tools' menu is open, listing various administrative tools. A red arrow points to 'Active Directory Users and Computers', which is the tool used for creating Organizational Units (OUs). Other tools listed include Active Directory Administrative Center, Active Directory Domains and Trusts, Active Directory Module for Windows PowerShell, Active Directory Sites and Services, ADSI Edit, Component Services, Computer Management, Defragment and Optimize Drives, DHCP, DNS, Event Viewer, Group Policy Management, iSCSI Initiator, Local Security Policy, ODBC Data Sources (32-bit), ODBC Data Sources (64-bit), Performance Monitor, Resource Monitor, Security Configuration Wizard, Services, System Configuration, System Information, Task Scheduler, Windows Firewall with Advanced Security, Windows Memory Diagnostic, Windows PowerShell, Windows PowerShell (x86), and Windows PowerShell ISE.

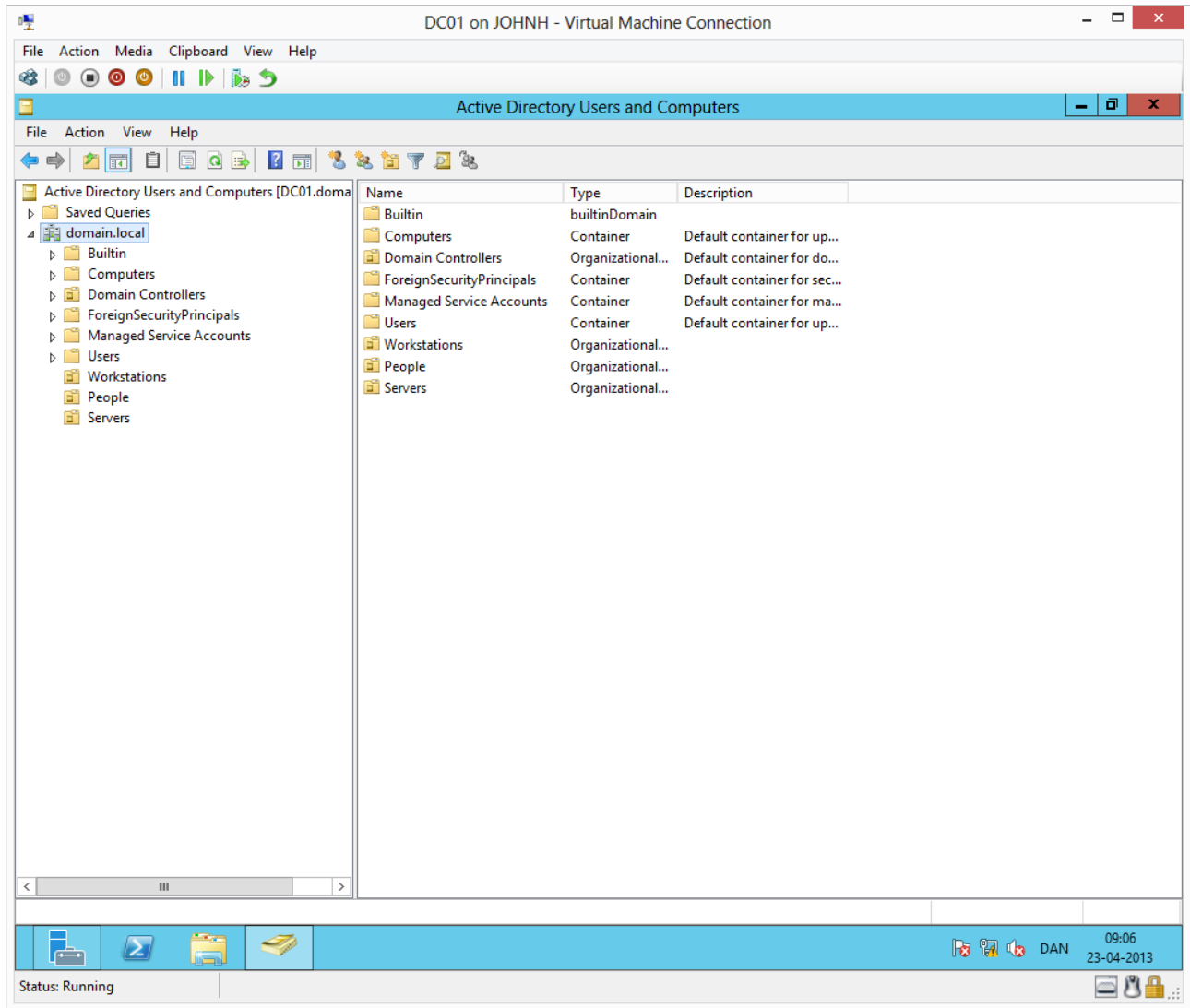
The taskbar at the bottom shows the system tray with the date '23-04-2013' and time '08:58'. The status bar indicates 'Status: Running'.



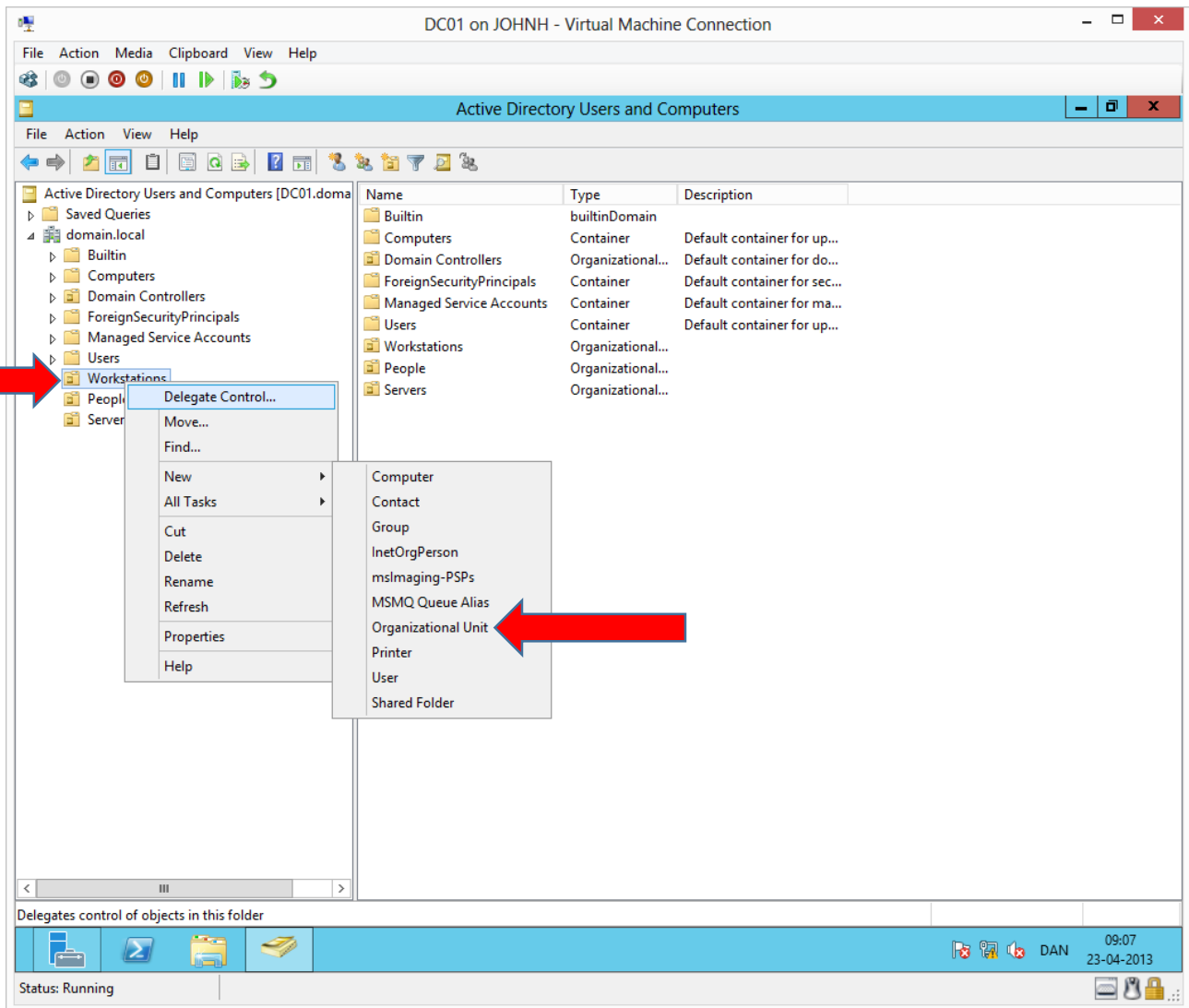
Right click **domain.local** and choose **New→Organizational Unit**



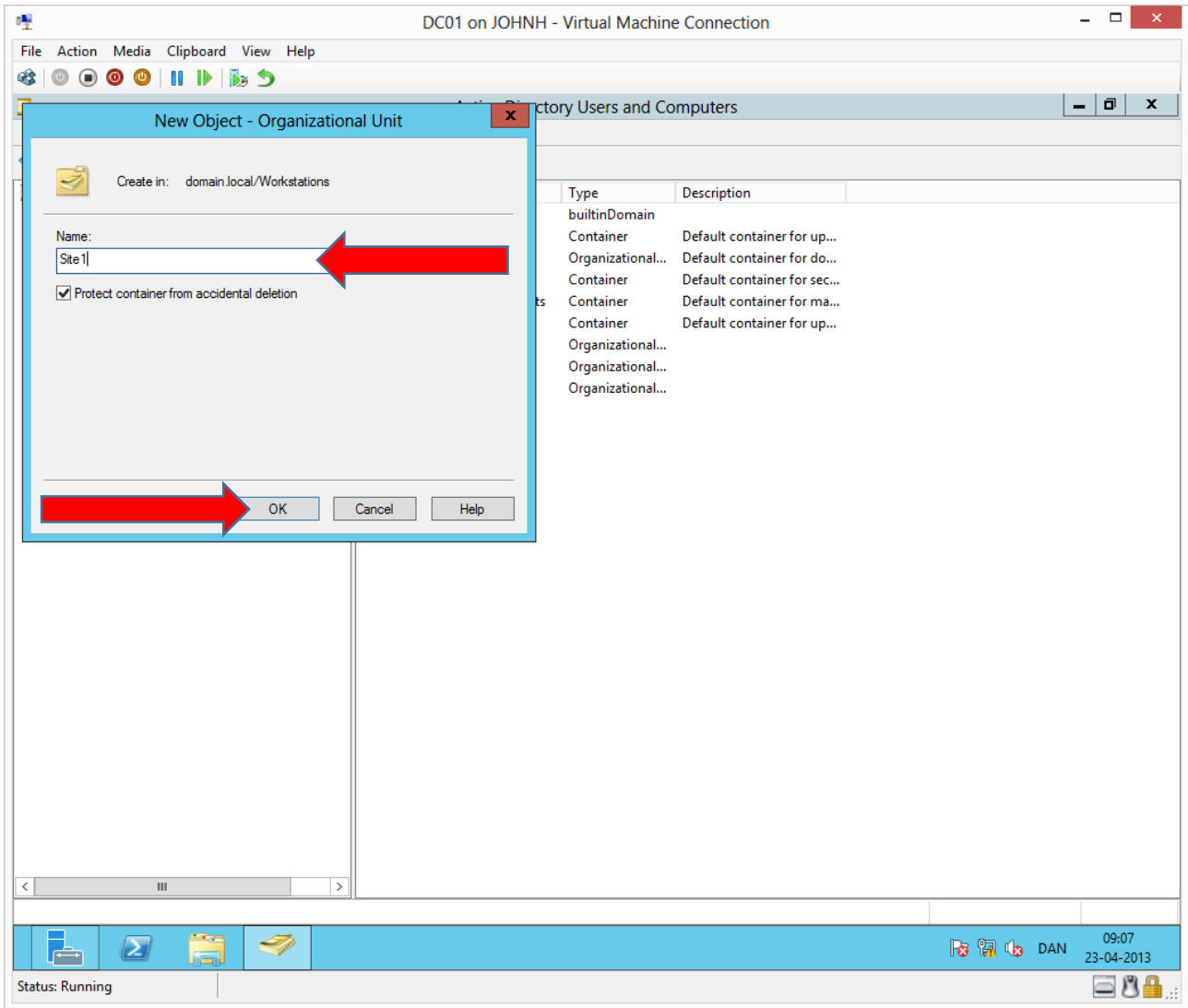
We will name the first OU **Workstations**



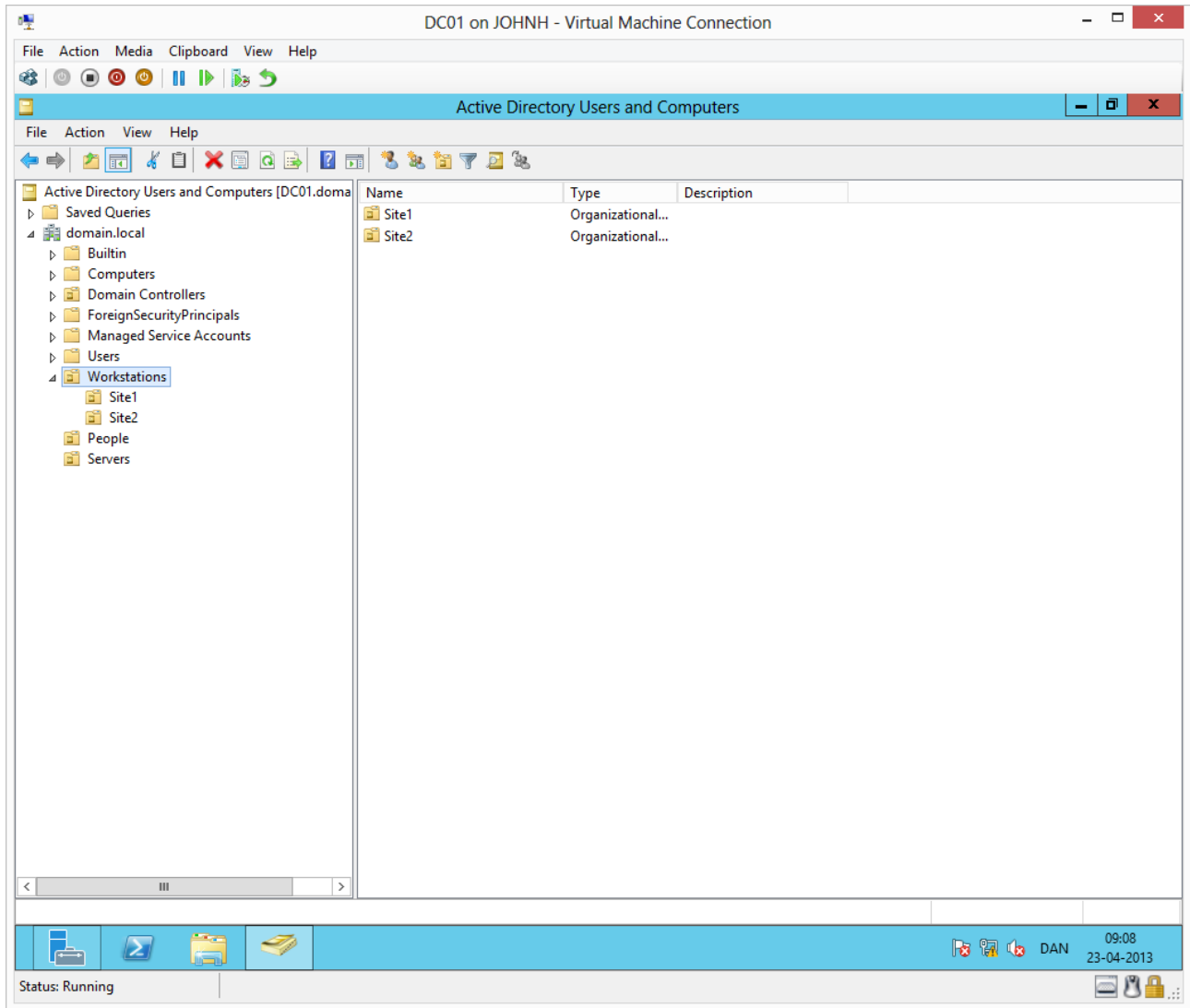
Create the remaining two OU's **People** and **Servers**



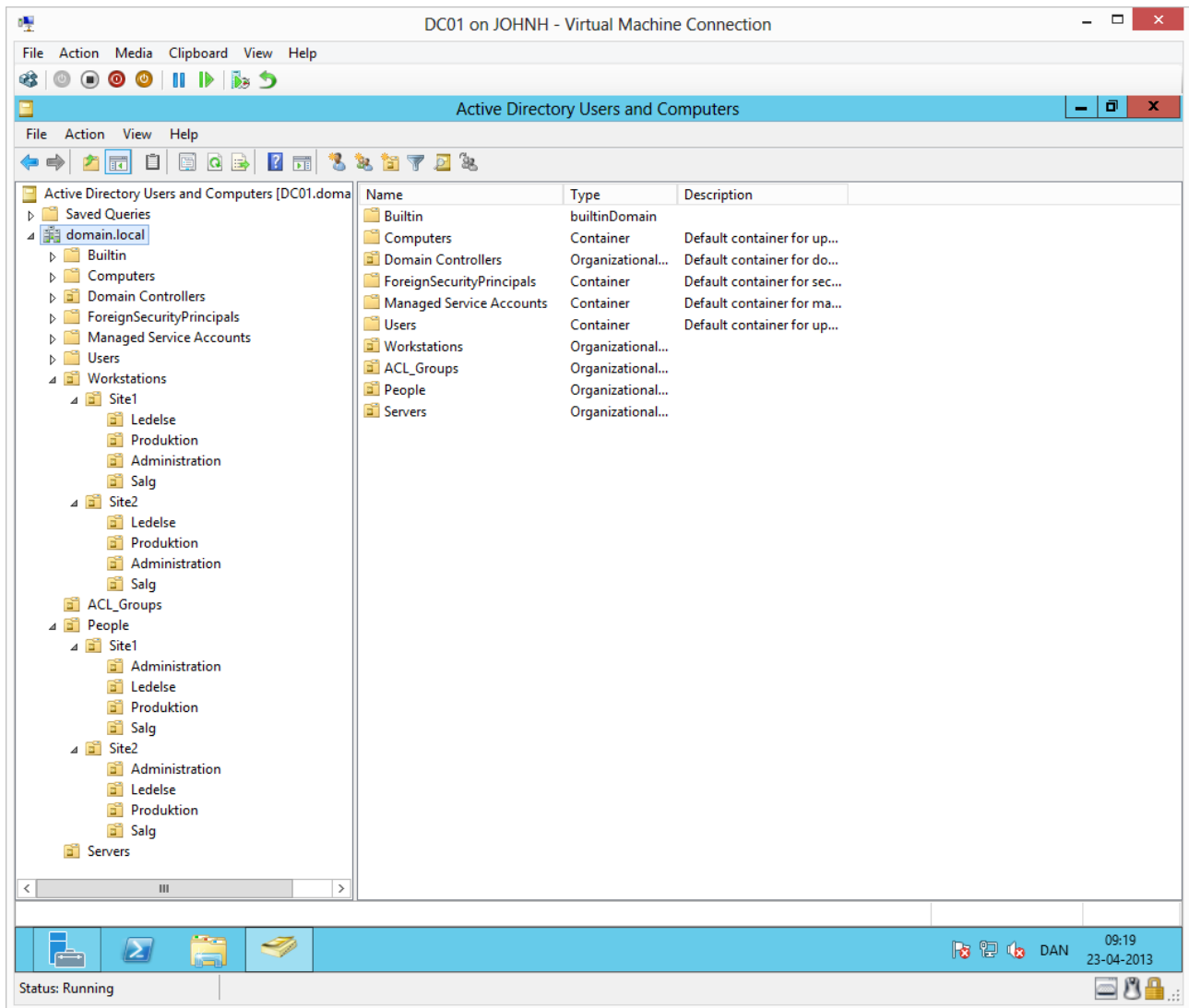
We will create sub OUs by right clicking **Workstations**→**New**→**Organizational Unit**



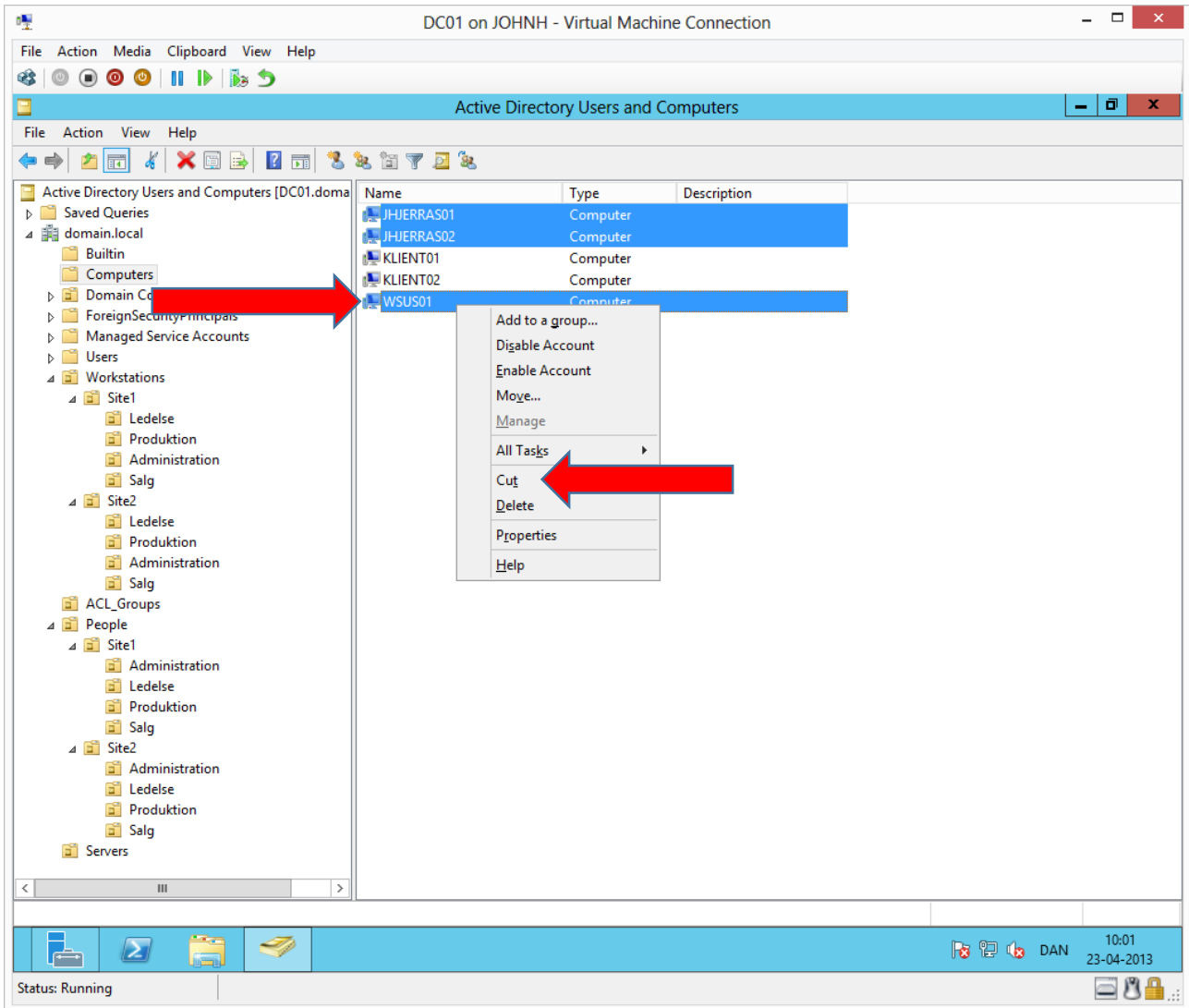
We split geographically by making **Site1**



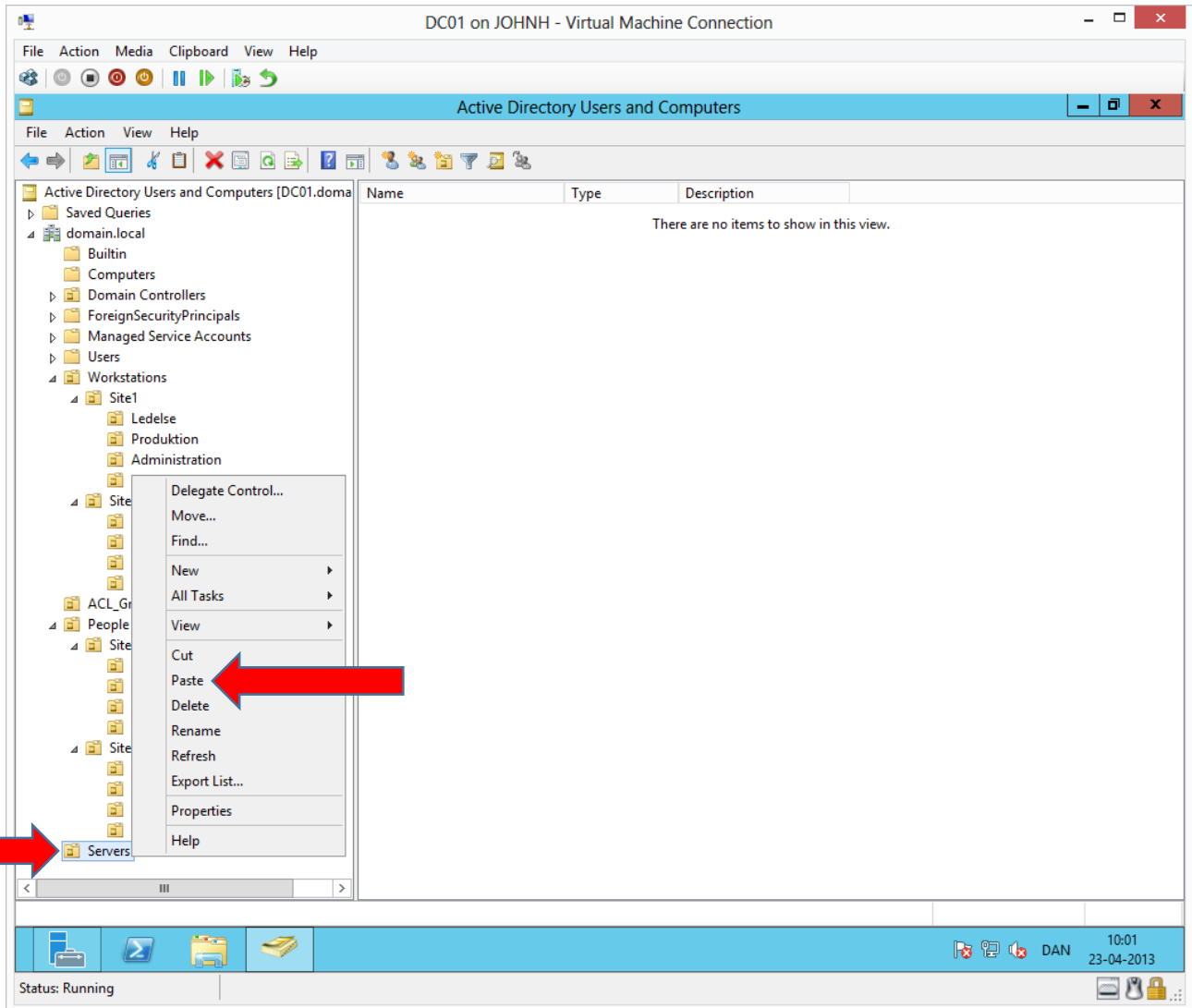
And in the same way **Site2**



In the same way, create all the above OUs, notice the root OU **ACL_Groups** has been added.

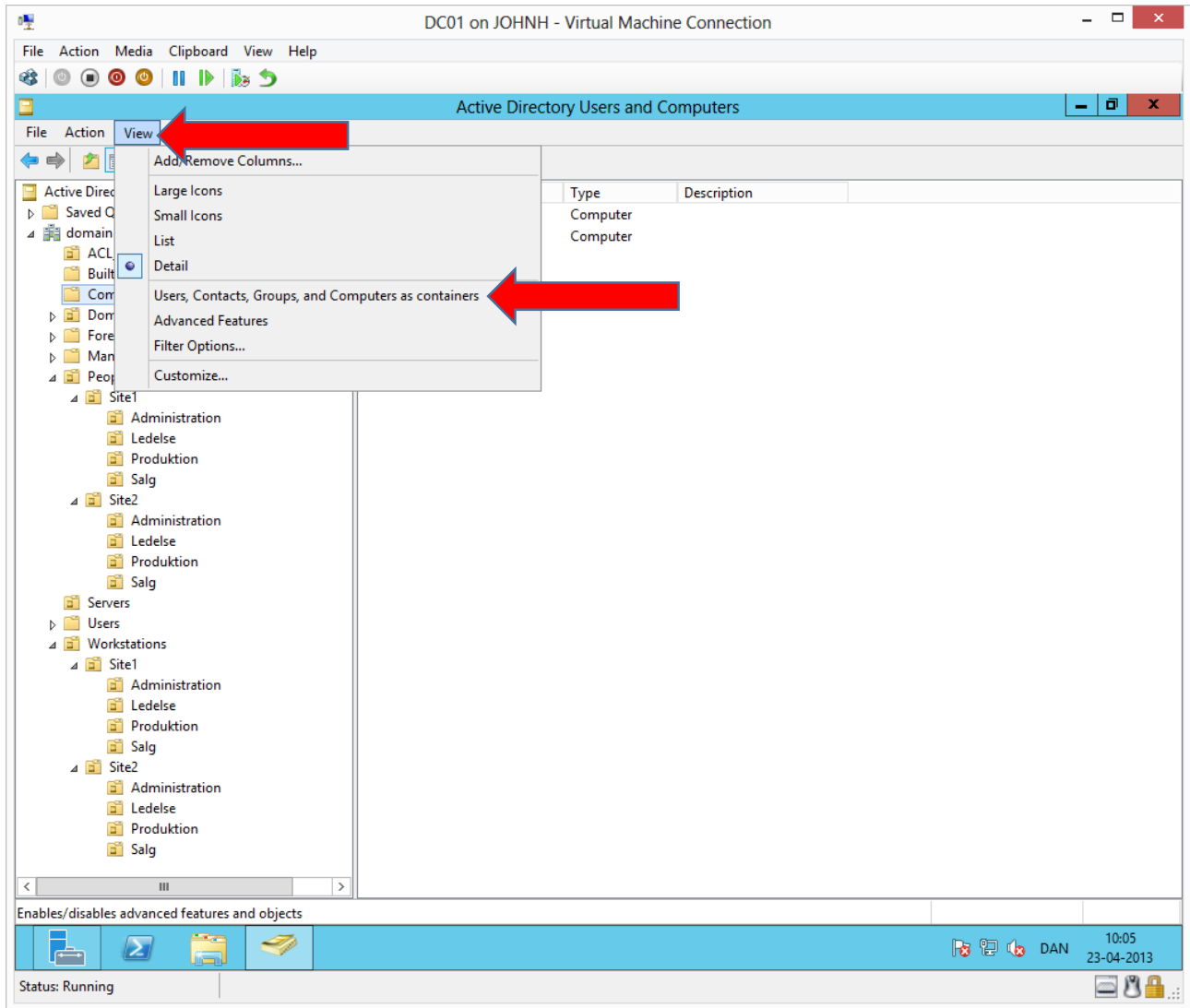


We are moving our server accounts into the structure by marking them all, right clicking one and choosing **Cut**

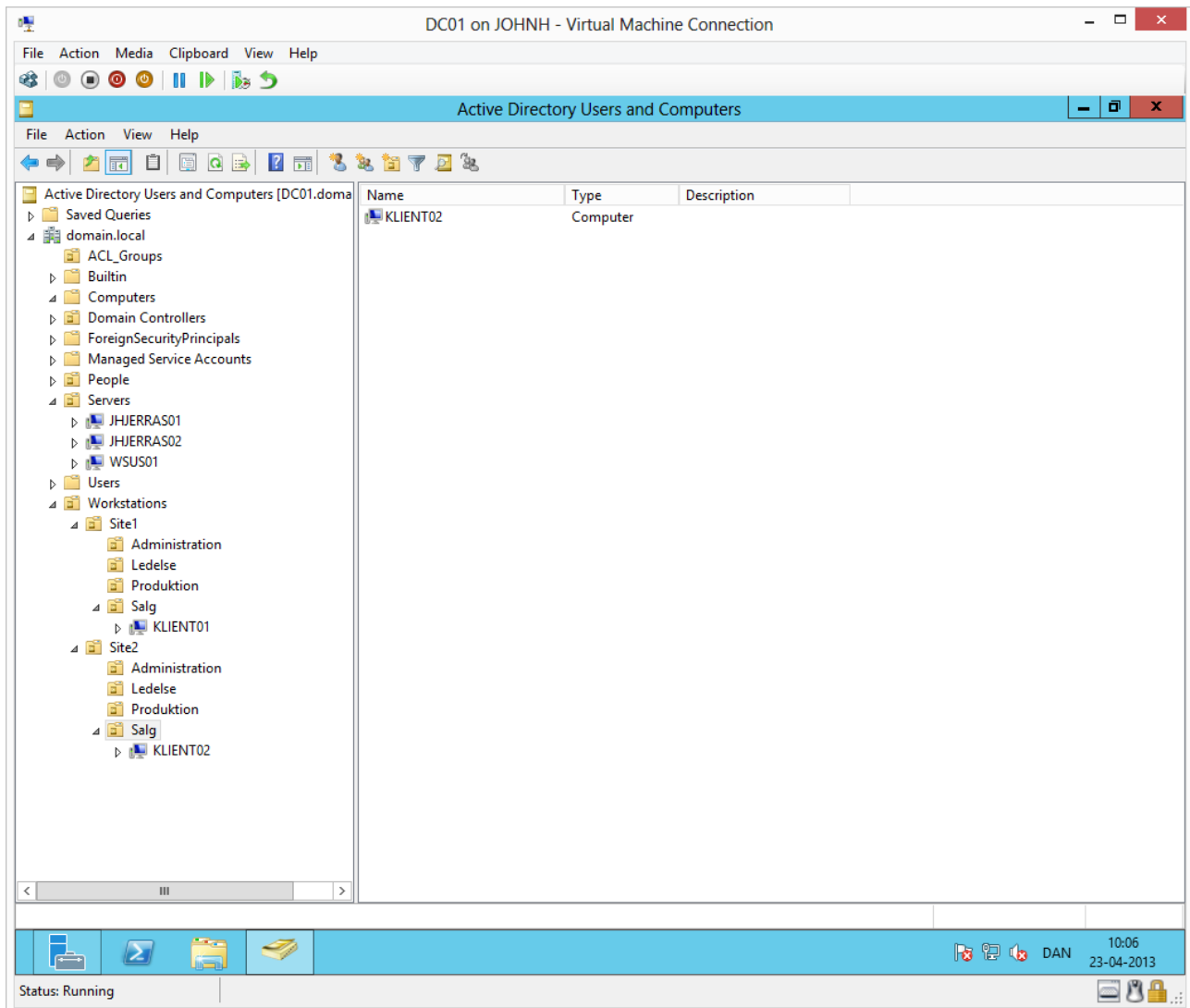


Right click **Servers** and choose **Paste**

The screenshot shows a virtual machine window titled "DC01 on JOHNNH - Virtual Machine Connection". Inside, the "Active Directory Users and Computers" console is open. The left pane shows a tree view of the domain structure, including "domain.local", "Builtin", "Computers", "Domain Controllers", "ForeignSecurityPrincipals", "Managed Service Accounts", "Users", "Workstations", "Site1", "Site2", "ACL_Groups", "People", and "Servers". The right pane is empty, displaying "There are no items to show in this view." A warning dialog box titled "Active Directory Domain Services" is overlaid on the console. The dialog contains a warning icon and the following text: "Moving objects in Active Directory Domain Services can prevent your existing system from working the way it was designed. For example, moving an organizational unit (OU) can affect the way that group policies are applied to the accounts within the OU. Are you sure you want to move this object?" Below the text is a checkbox labeled "Don't show this warning while this snap-in is open." and two buttons: "Yes" and "No". A red arrow points to the "Yes" button. The taskbar at the bottom shows the system tray with the time "10:02" and date "23-04-2013", and the status "Status: Running".



To make a better overview, we can change the view.



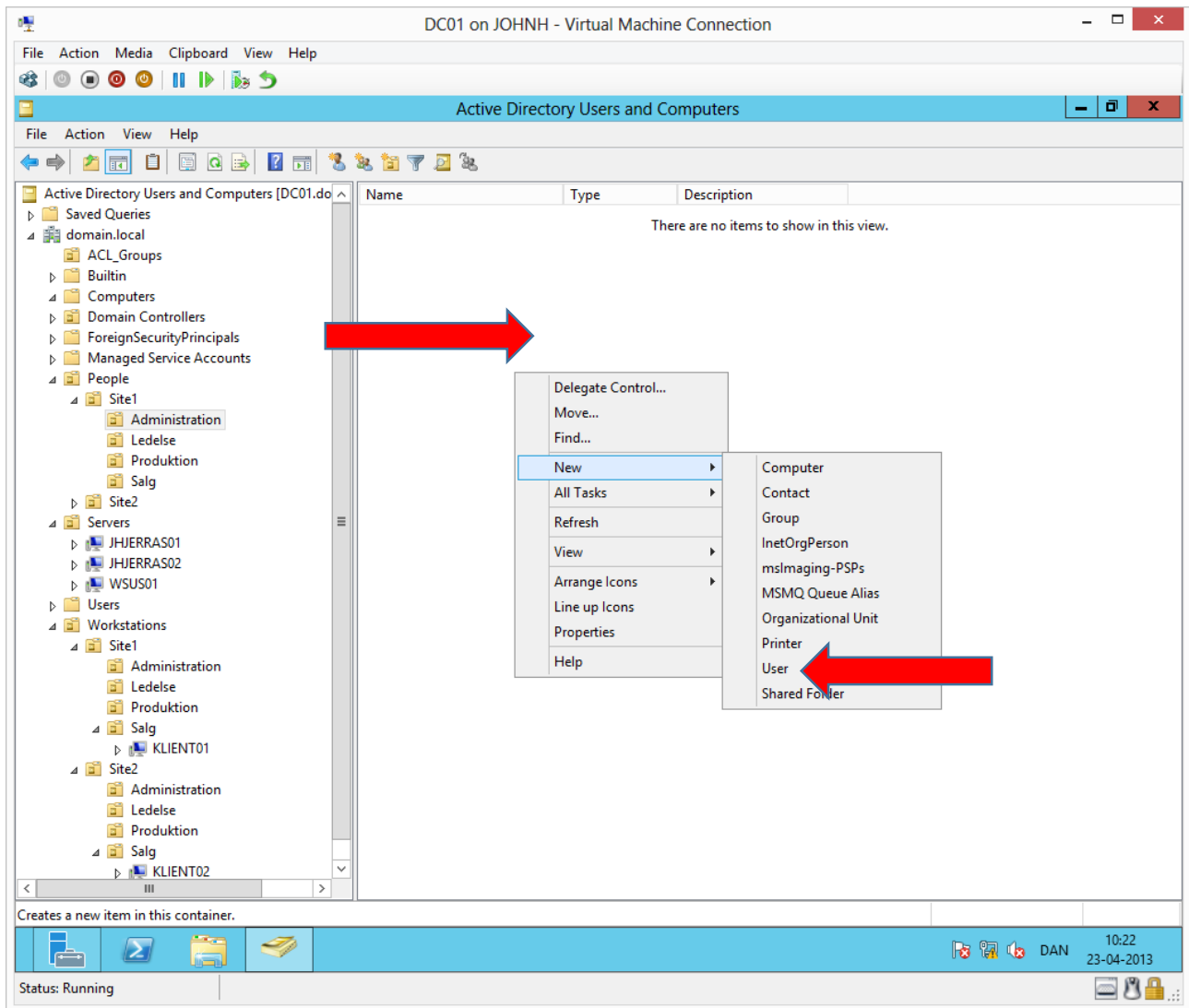
This way we can see all the objects in the tree structure to the left. Move all servers and workstations into the structure as shown.

Creating user accounts and global groups

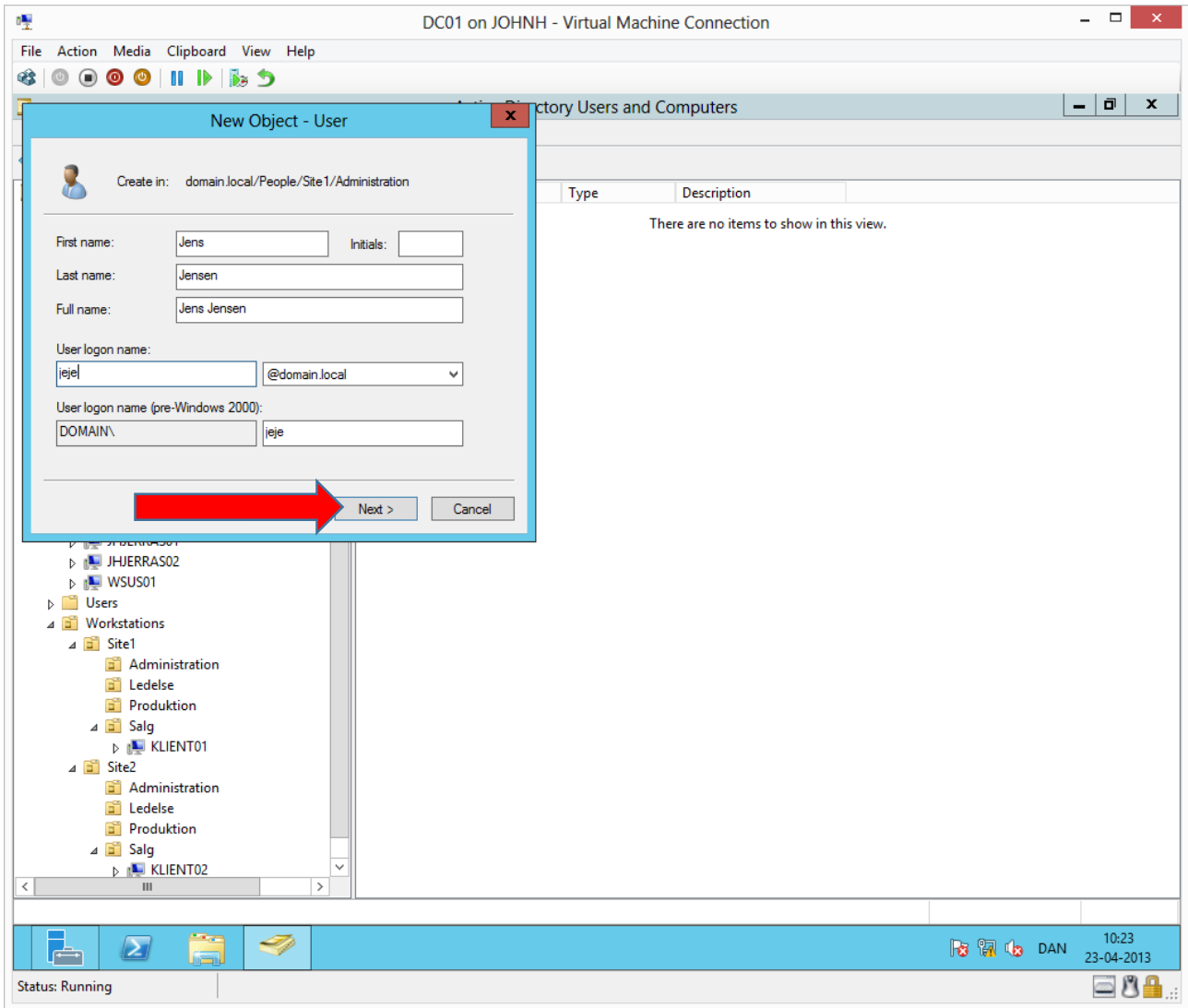
We will create two user accounts per site, to represent the test company.

Then we will create a global group for each department, representing all users in a department.

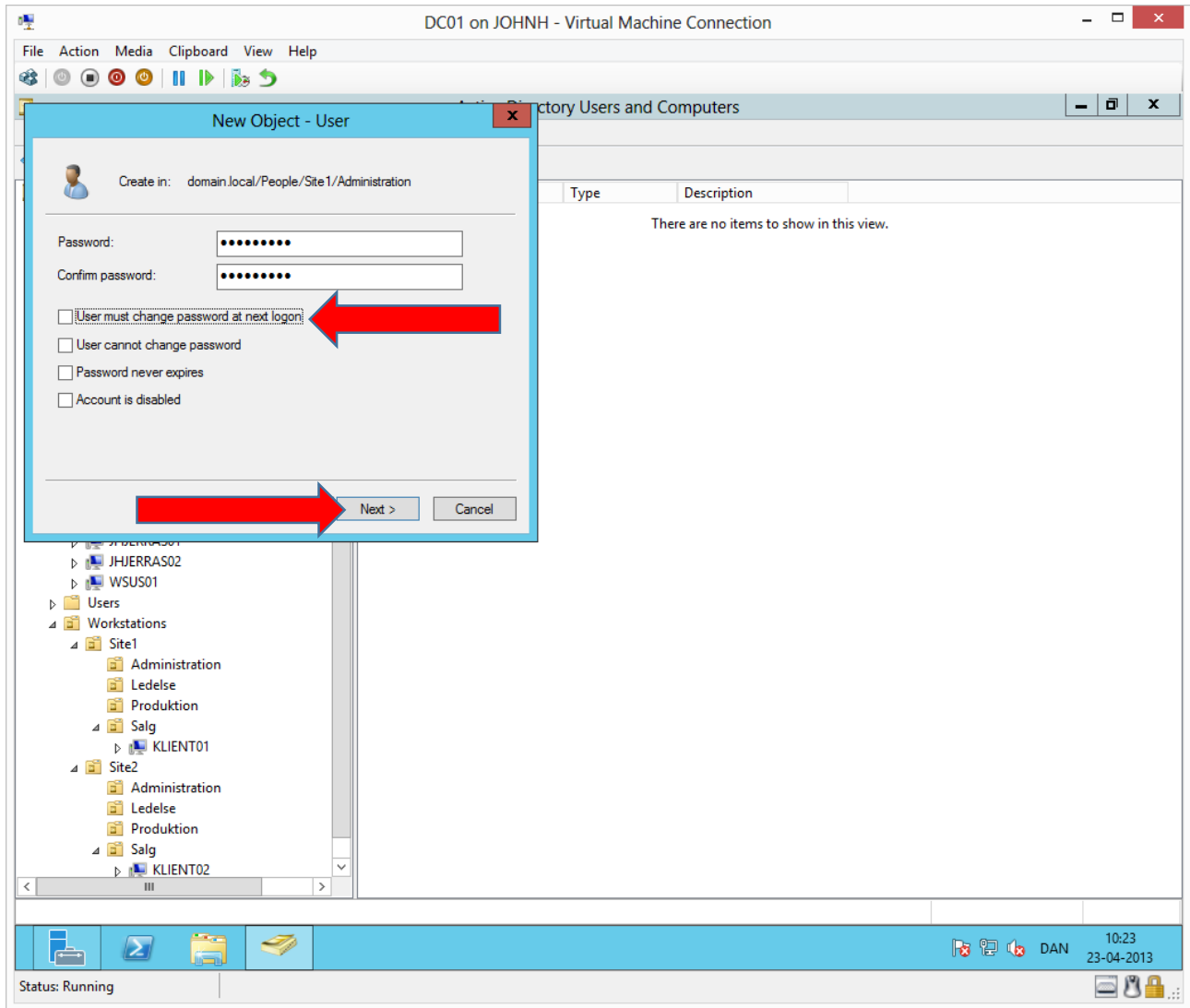
The global group can be searched from everywhere in our Active Directory, including from members of the Active Directory forest and can be used to apply permissions and/or rights to the whole department which is represented by the global group.



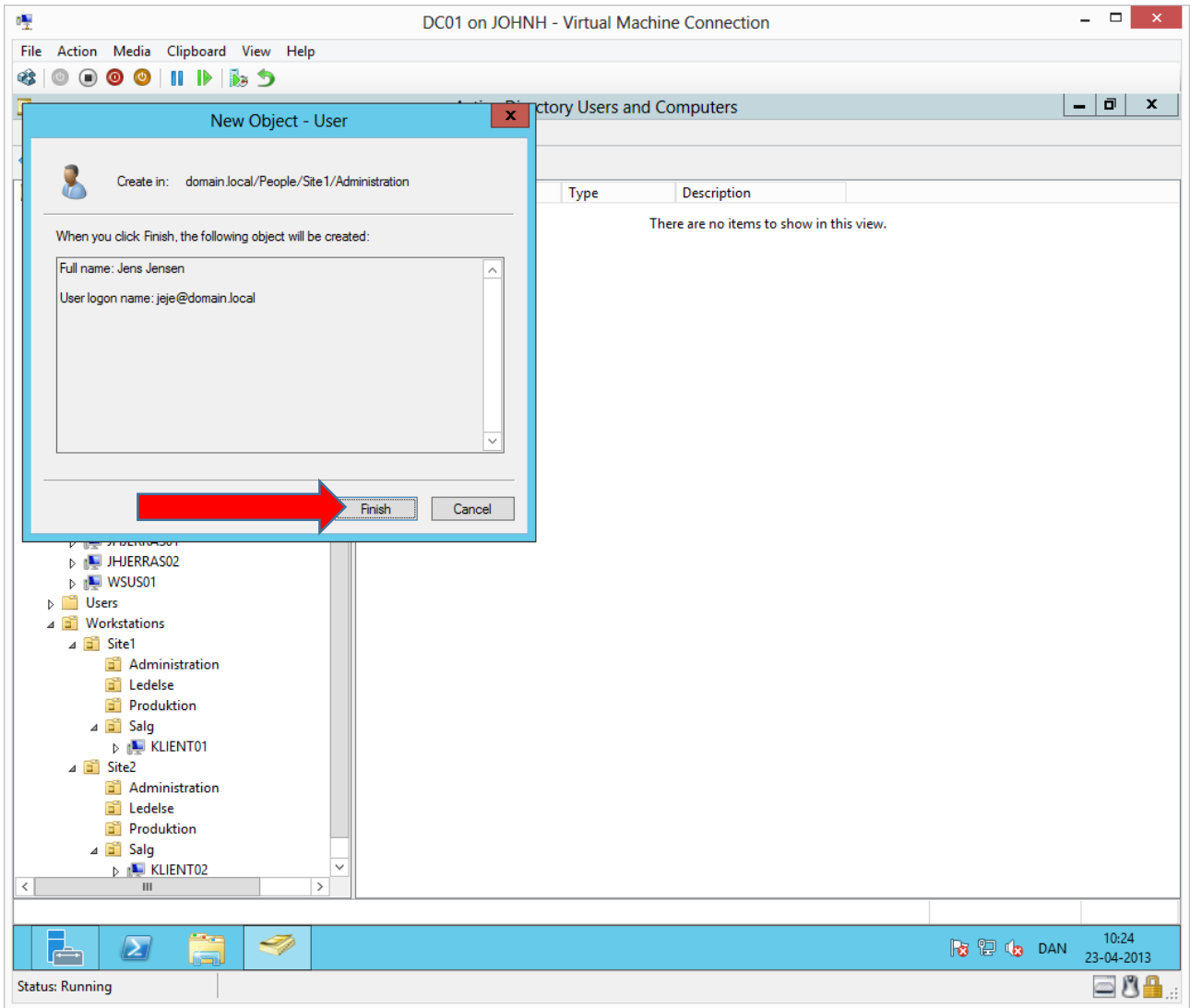
We can create a user account in the Administration department by marking the OU and right clicking in the empty space on the right, choose **New**→**User**. Alternatively, you can just right click the OU. (Notice this must be under the structure for **People**)

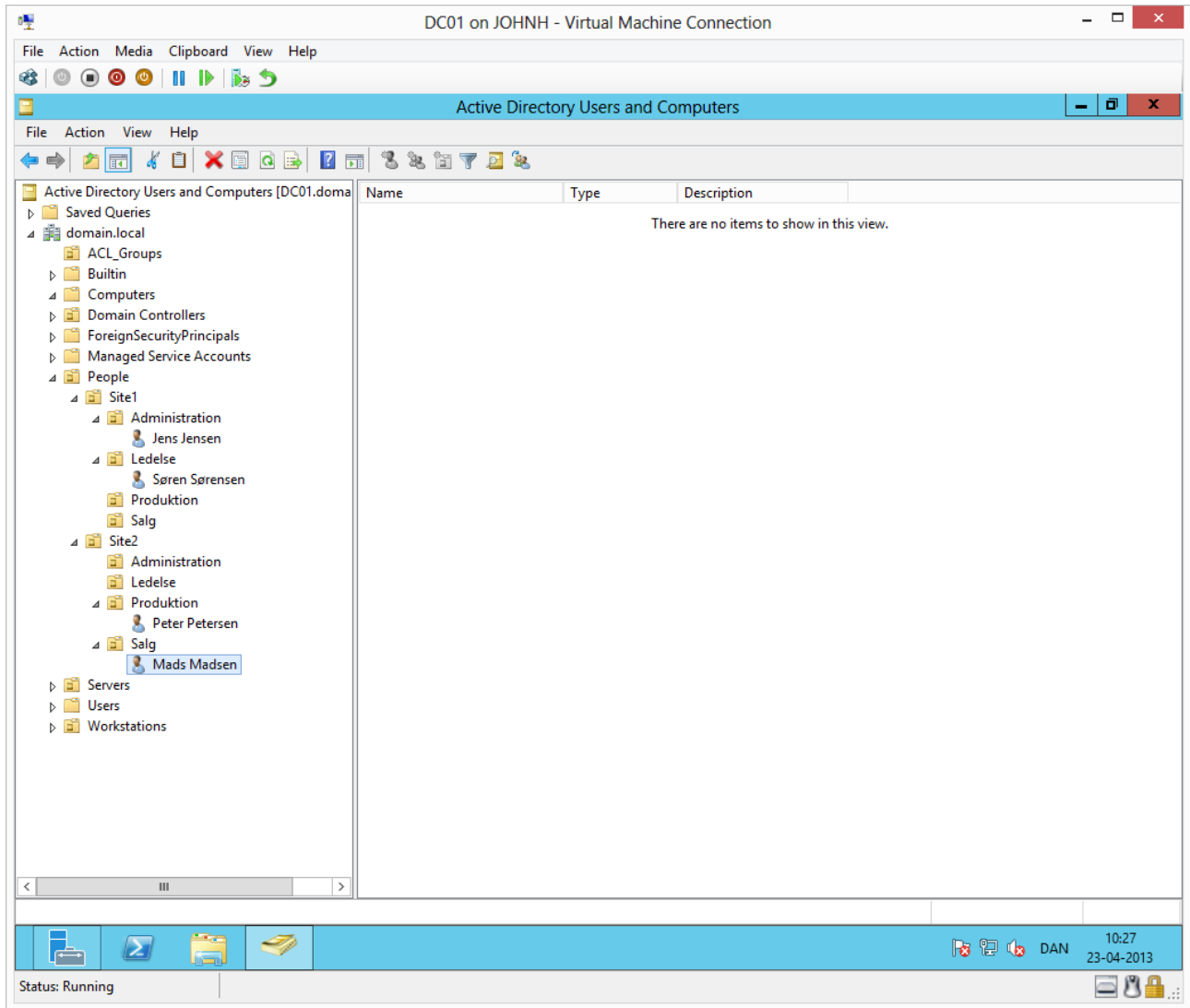


Complete as shown or come up with a name on your own.

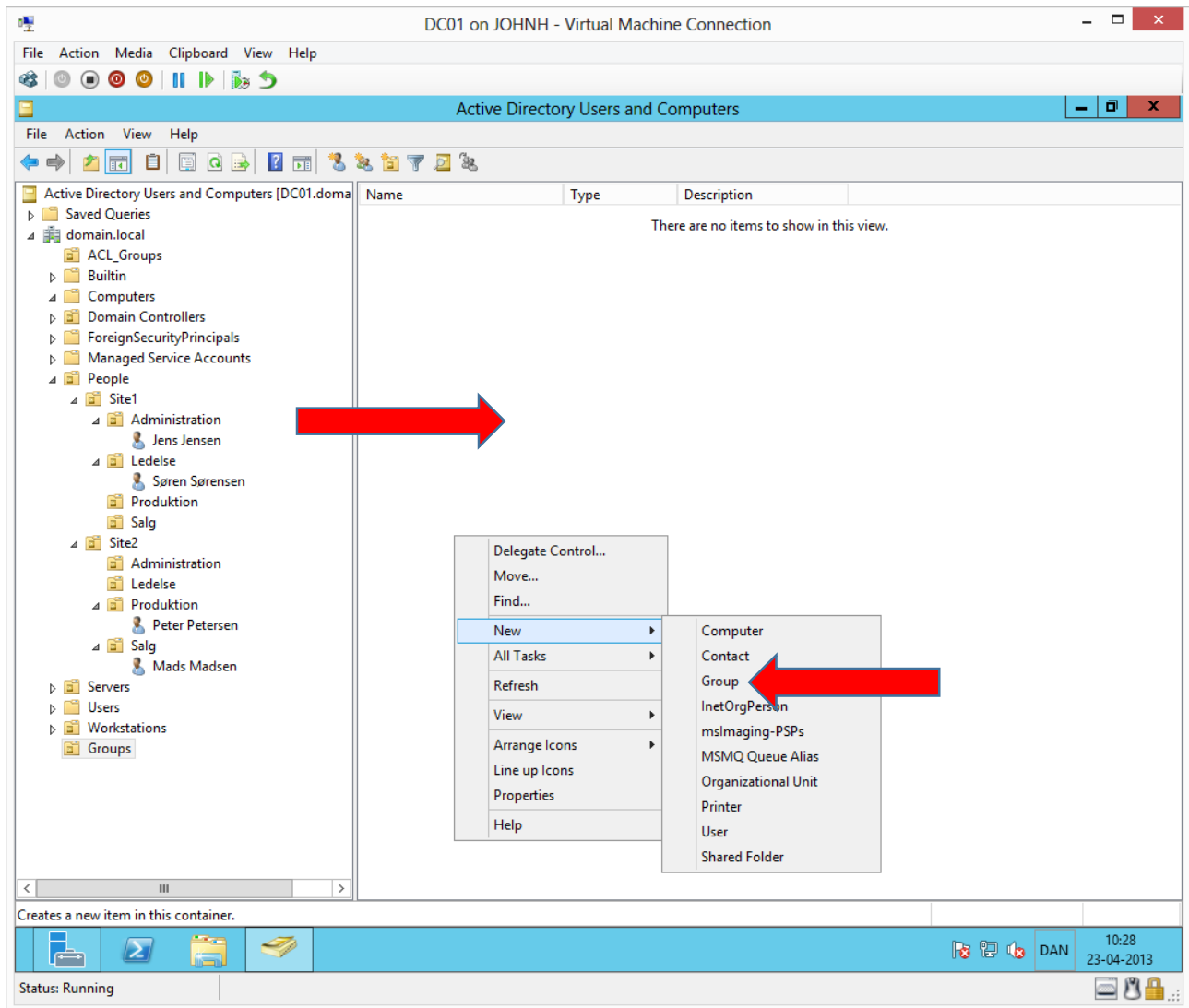


We can use the test environment password **Password1** Remove the check mark **User must change...**

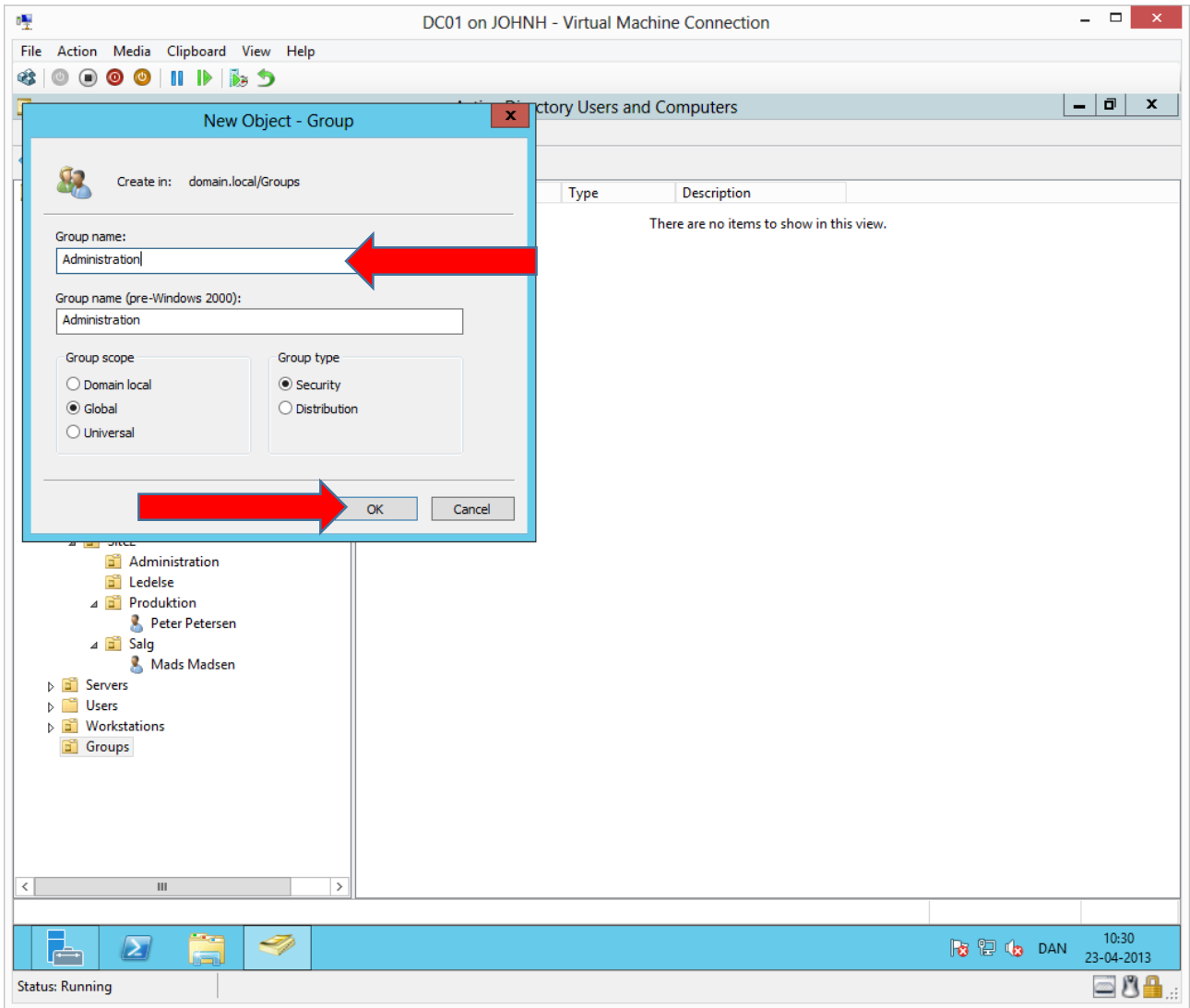


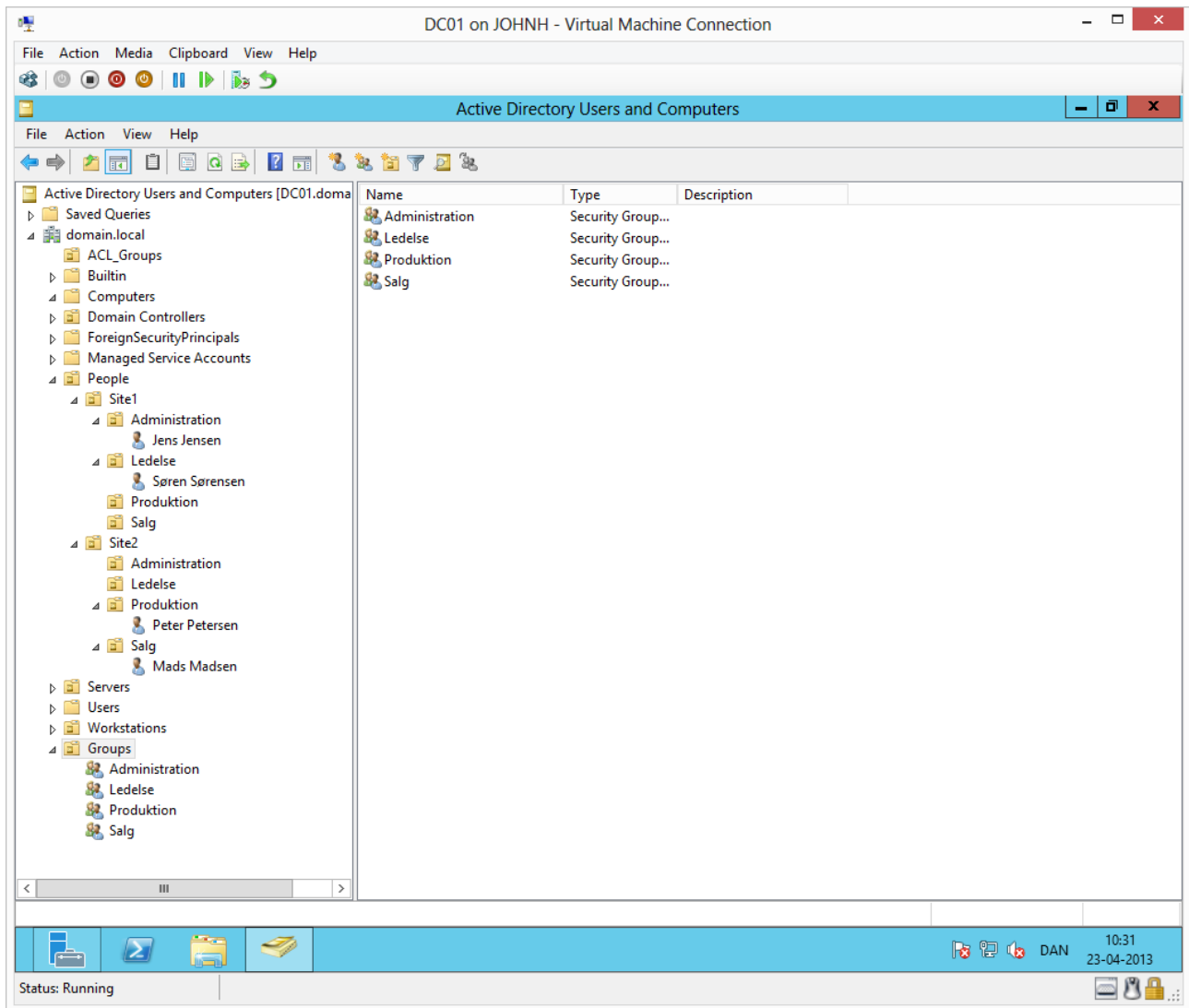


Create the users in the other departments as shown.

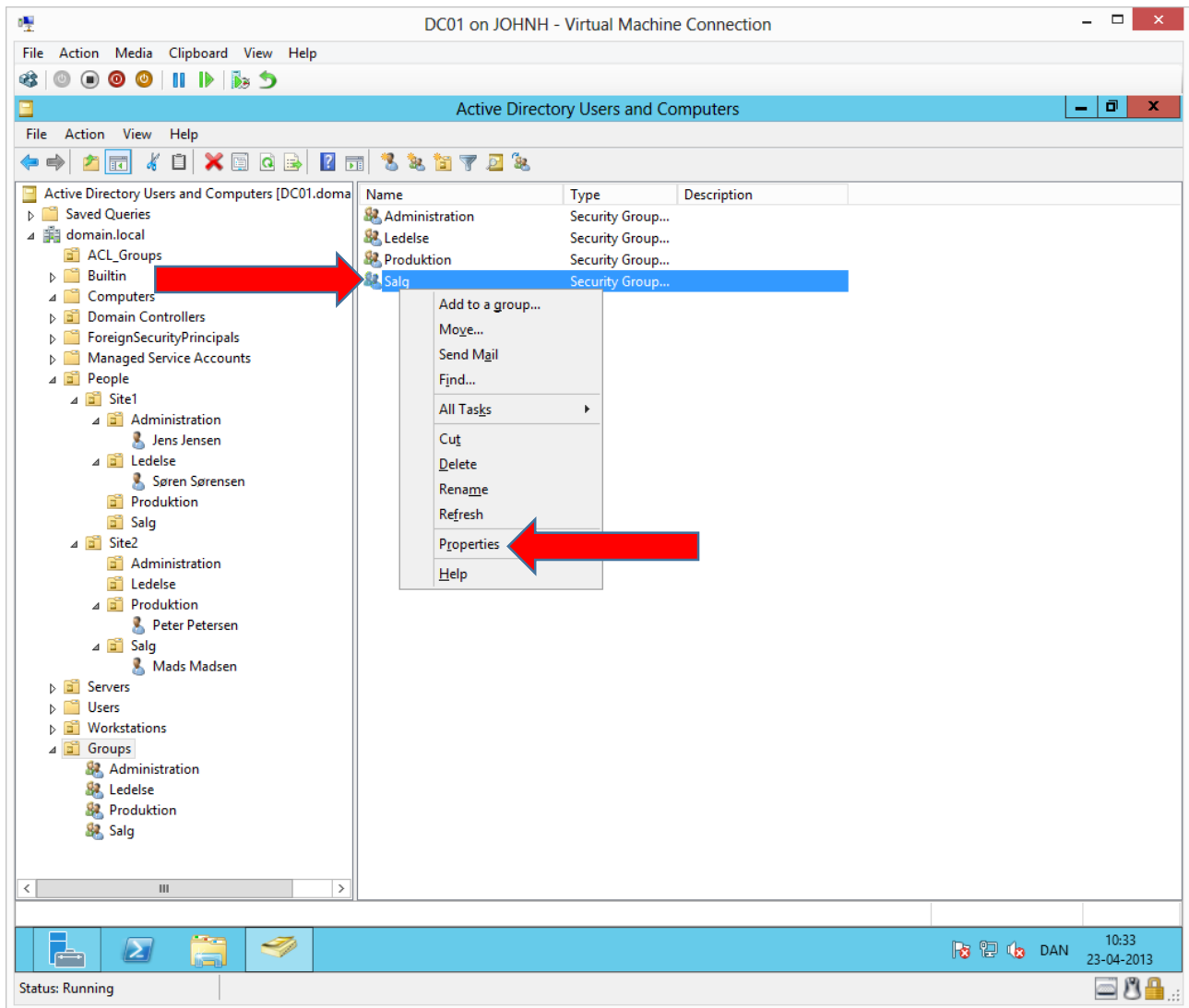


Under a new root OU **Groups** we will create the global groups by first marking the **Groups** OU then right clicking in the white space (the reading pane) and choosing **New→Group**

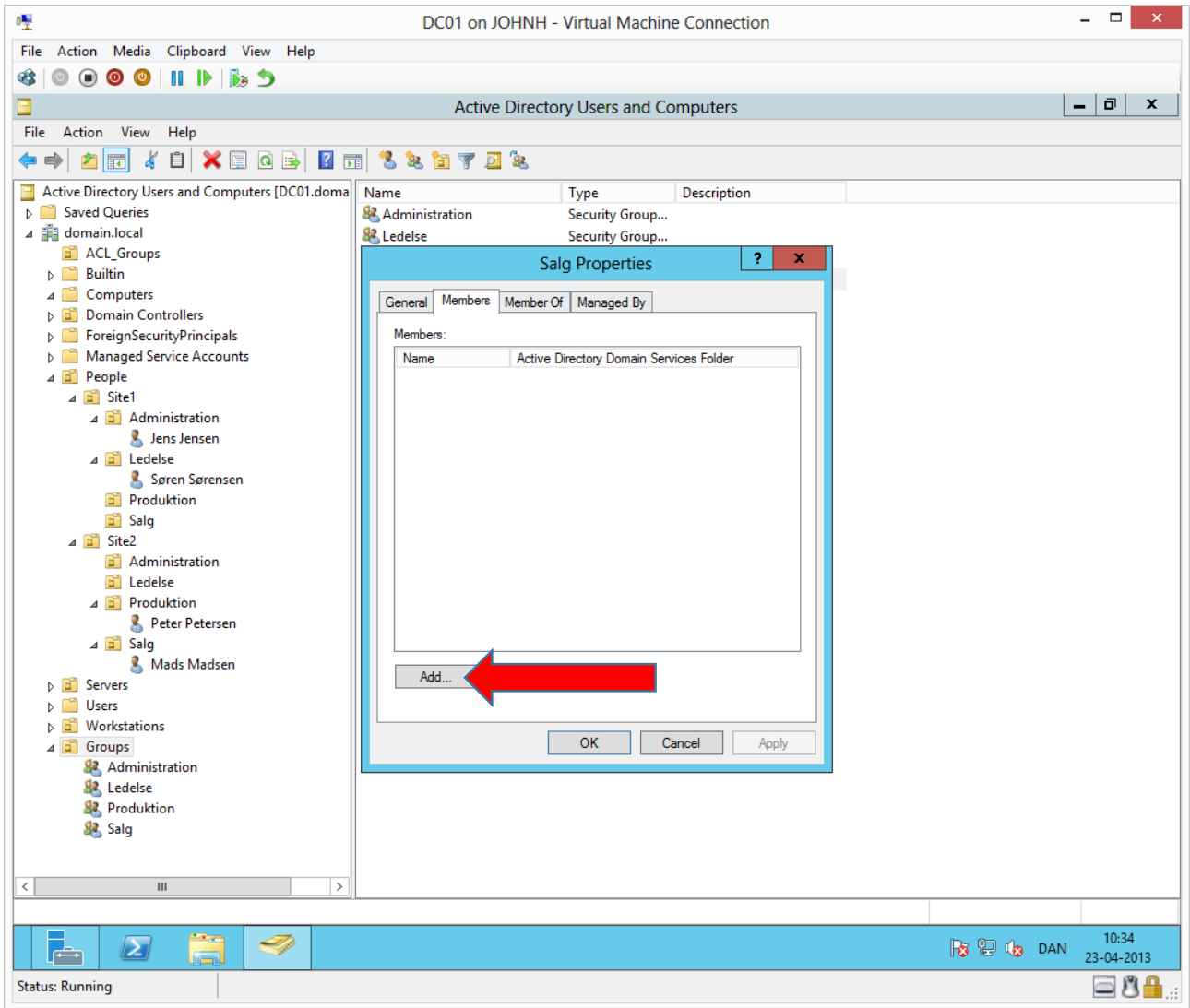


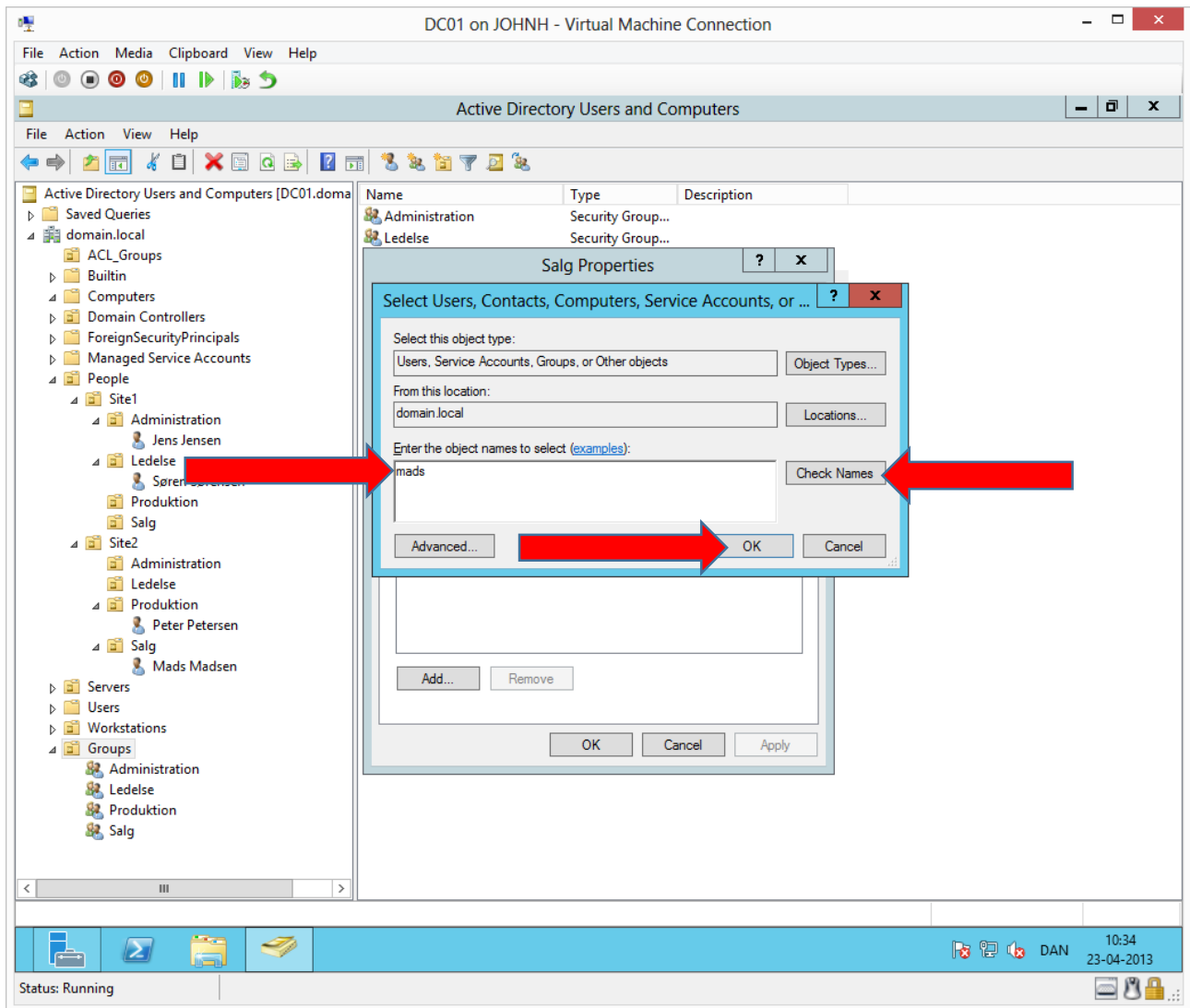


Create the remaining global groups as shown.



We will add the department users to their respective global groups by right clicking on the group and choosing **Properties**





This is the sales group (Salg) and we add Mads Madsen by typing **mads** and clicking **Check names** and **OK** x 2. Now add the last 3 users to their respective global group.

We have now created a structure for workstations, servers, users and groups, that we can continue to build on.