

Goal – Installation of pilot test systems

Scenarios –

- 1) Install OS using bootable CDROM
- 2) Install OS using nonbootable CDROM
- 3) Install OS using Network Share
 - a) “Attended” Install
 - b) “Unattended” Install
- 4) Uses scripts to customize

Scope –

- 1) Install a W2K Server
- 2) Install a W2K Professional
- 3) Install testbed User/Group Profiles
- 4) Configure testbed local environment
 - a) Desktops
 - b) File structure
- 5) Install testbed printers
- 6) Install testbed file shares
- 7) Configure Local/Group Policies
 - a) Account Policies
 - b) Local Policies
 - i) Audit Policies
 - ii) User Rights

Actual Plan

- (1) Install W2K Server and Recovery Console
- (2) Track installation steps in Deployment plan.
- (3) Install Win98 (3GB) and Windows 2K Pro (2GB) in separate partitions.
- (4) Upgrade Windows 98 to Windows 2K Server and convert to NTFS.
- (5) Build a script to load testbed users and test.
- (6) Build a script to load testbed groups and test.
- (7) Build a script to load testbed policies and test.
- (8) Save ALL tested scripts on diskette in a folder called Scripts.

Best Practices

Excerpted without permission from Microsoft Technet...
Windows 2000 Resource Kit - Deployment

<http://www.microsoft.com/technet/treeview/default.asp?url=/technet/prodtechnol/windows2000serv/reskit/deploy/part1/chapt-2.asp>

Windows 2000 Pilot

After you have completed your feature design and development, and thoroughly tested your feature configurations, you are ready to conduct a pilot project. The deployment team needs to set a number of interim delivery milestones, each of which involves solutions development, testing, validating against prespecified performance criteria, and redesign. Tracking deployment issues and efficiently resolving them is vital to reaching your deployment goals while remaining on schedule and within budget.

After your pilot project is running and stable, your sponsor and the deployment team can meet to assess the functionality of the new Windows 2000 infrastructure and verify that production rollout and support plans are in place. During this phase, primary milestones and deployment documents can include:

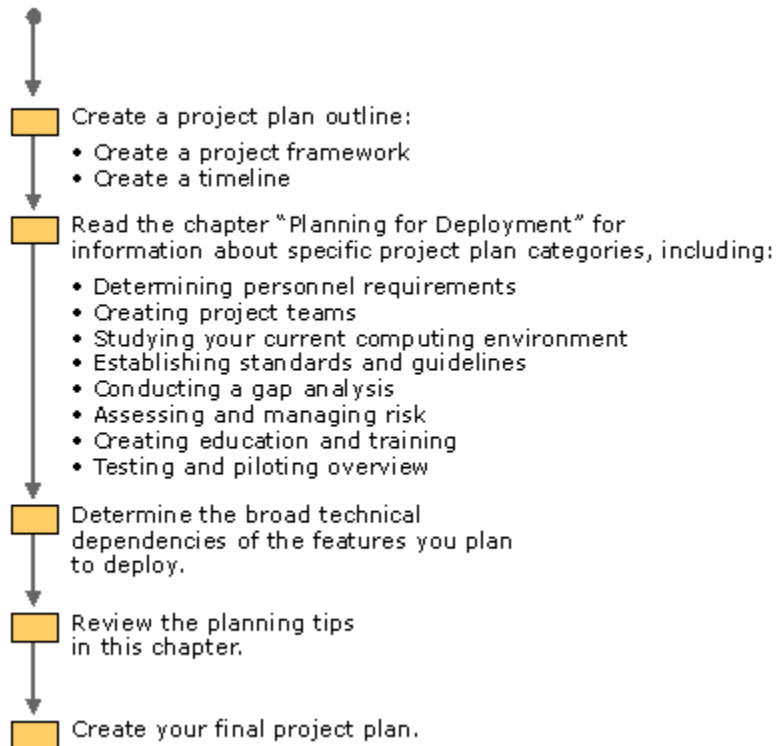
- Technology validation complete
- Complete and stable functional specification
- Proof-of-concept complete
- Preproduction test complete
- Pilot complete
- Updated risk management plan

Additional deployment documents you might want to develop include:

- Training plan
- Support or helpdesk plan
- Operations transfer plan
- Disaster recovery plan
- Tools list

During this phase, you will adjust your designs based upon pilot testing. You will notice changes that need to be made because you are integrating the designs of each feature you will deploy and then testing those designs to ensure appropriate integration.

Start



Appendix A – Interviews

Abraham Apple – CEO

I ALWAYS work on the computer in my office.

Barbara Broccoli – VP of Finance

I ALWAYS work on the computer in my office. I want a set of folders that my staff can easily change. These documents need to be read by only members of my staff and other managers under a Public Folder system. Please use the following names:

.\Financials
.\FinRep00
.\FinRep01
.\FinRep02

Please put one uniquely named “test document” in each **FinRepXX** folder so they are NOT empty. Please hide my Taskbar.

Charles Carrot – CIO

I sometimes work on the computer in my office. I want to be a member of the Local Administrators Group. I want two classes of local groups; one for managers (*_man*) and one for staff (*_staff*). We have several teams in this company; each should be subdivided into these two classes. For example, I want an *IT_Man* group and an *IT_Staff* group. In addition, I want groups for executives (*Exec_Man* and *Exec_staff*), *HR_Man* and *HR_staff*, and a *Fin_Man* and *Fin_staff* group. Please put Barbara in the *IT_Man* group with me but NOT the Controller; she is a staff person. Put Abe in his own group, *Exec_Man*. In fact, put Barb and I in that management group too!

Please create a user account “template” called *_manager* and a user template called *_staffperson*. Create an actual user from each of these templates for EVERY Department with membership in their respective groups. In addition, the *IT_manager* will also be a member of the *Administrators* group; the *IT_staffperson* will be a member of *Powerusers*. Find a way to do this in an automated way; I want to build expendable systems to test purposes. I want to prevent users from changing passwords more often than every seven days, force users to change passwords every 30 days, and force users to log off after the logon time expires with a five-minute warning. Please restrict staffers to working hours M-F from 8:00AM to 5:00PM.

I need a local shared printer for managers, called **4FIN**, and one for staff, called **4ALL**, configured for a HP Laser 5si. Assign them TCP/IP ports from an arbitrary IP address range within our 172.16.113.0/24 network. Everyone will have control over document printing but ONLY *IT_man* and *IT_staff* will have control over the printers themselves.

I want the timers removed from the System loader screen (Boot.ini). Please backup the “System State” to a file named **back1103.bkf** in a folder called **\Backup** in the root of the boot partition.

Have a member of the administrator’s group create a **\Public** folder with default share permissions, read only for *users*, and full control for *creator-owner and creator-group*.

Please audit creation of **ALL** files and folders components created in the Public folder so I know when someone has successfully created or altered corporate material available for public review.

Daisy Dill – Controller

I ALWAYS work on the computer in my office.

Edgar Endive – Financial Clerk

I ALWAYS work on the computer in my office.

Fred Fern – IT Staff

I ALWAYS work on the computer in my office.

Appendix B - CLI utilities to automate installation

To display the current settings, the password requirements, and the server role for a server, type:

```
net accounts
```

To set a minimum of seven characters for user account passwords, type:

```
net accounts /minpwlen:7
```

To specify that users can reuse a password only after the fifth time they change passwords, type:

```
net accounts /uniquepw:5
```

To prevent users from changing passwords more often than every seven days, force users to change passwords every 30 days, and force users to log off after the logon time expires with a five-minute warning, type:

```
net accounts /minpwage:7 /maxpwage:30 /forcelogoff:5
```

To ensure that the preceding settings take effect for the domain that the computer is logged on to, type:

```
net accounts /minpwage:7 /maxpwage:30 /domain
```

To display a list of all user accounts for the local computer, type:

net user - To view information about the user account jimmyh, type:

net user jimmyh

To add a user account for Jay Jamison, with logon rights from 8 A.M. to 5 P.M., Monday through Friday (no spaces in time designations), a mandatory password (jayj), and the user's full name, type:

net user jayj /add /passwordreq:yes /times:monday-friday,8am-5pm/fullname:"Jay Jamison"

To set johnsw's logon time (8 A.M. to 5 P.M.) using 24-hour notation, type:

net user johnsw /time:M-F,08:00-17:00

To set johnsw's logon time (8 A.M. to 5 P.M.) using 12-hour notation, type:

net user johnsw /time:M-F,8am-5pm

To specify logon hours of 4 A.M. until 5 P.M. on Monday, 1 P.M. until 3 P.M. on Tuesday, and 8 A.M. until 5 P.M. Wednesday through Friday for marysl, type:

net user marysl /time:M,4am-5pm;T,1pm-3pm;W-F,8:00-17:00

To display a list of all of the groups on the local server, type:

net group - To add a group called Exec to the local user accounts database, type:

net group exec /add

To add a group called Exec to the domain database, type:

net group exec /add /domain

To add the existing user accounts stevev, ralphr, and jennyt to the Exec group on the local computer, type:

net group exec stevev ralphr jennyt /add

To add the existing user accounts stevev, ralphr, and jennyt to the Exec group in the domain database, type:

net group exec stevev ralphr jennyt /add /domain

To display users in the Exec group, type:

net group exec

To add a comment to the Exec group record, type:

```
net group exec /comment:"The executive staff"
```

To display a list of all the local groups on the local server, type:

net localgroup

To add a local group called Exec to the local user accounts database, type:

```
net localgroup exec /add
```

To add a local group called Exec to the domain user accounts database, type:

```
net localgroup exec /add /domain
```

To add the existing user accounts stevev, ralphr (from the Sales domain), and jennyt to the Exec local group on the local computer, type:

```
net localgroup exec stevev sales\ralphr jennyt /add
```

To add the existing user accounts stevev, ralphr, and jennyt to the Exec group of a domain, type:

```
net localgroup exec stevev ralphr jennyt /add /domain
```

To display users in the Exec local group, type:

```
net localgroup exec
```

To add a comment to the Exec local group record, type:

```
net localgroup exec /comment:"The executive staff."
```

To display information about shared resources on the computer, type:

net share

To share a computer's C:\Data directory with the share name DataShare and include a remark, type:

```
net share DataShare=c:\Data /remark:"For department 123."
```

To stop sharing the DataShare folder you created in the previous example, type:

```
net share DataShare /delete
```

To share a computer's C:\Art Lst directory with the share name List, type:

net share list="c:\art lst"