

## Setup

# Set up a tiny network

4padPointRule2.eps ↵

A tiny network uses two NetInfo domain levels to network typically two or three computers.

If your site has just a few NEXTSTEP computers, you should set them up as a tiny network. In this case, select one computer to host all services and let the other computers host client processes.

If your organization has many NEXTSTEP computers, a tiny network makes a good NetInfo lab. You can assign various services to different computers as your tests require.

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- 1 Use SimpleNetworkStarter to set up the master NetInfo server on one of the computers ;CreateMasterServer.rtfid;;↵.**

Make sure the computer is not attached to the network when you set up the master server.

The computer that hosts the master NetInfo server will get a lot of network traffic requesting information. If the same computer hosts email and user home directories, be sure it has sufficient disk space and more than minimum memory.

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- 2 Use HostManager to create host entries for each of the computers, including the one with the master server ;../NetworkComputers/AddComputerManually.rtfid;;↵.**

The host entry identifies the computer by name and sets up its local domain. Be sure not to connect each computer to the network until after you have created its host entry.

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- 3 Use UserManager to set up groups ;../UsersAndGroups/AddGroup.rtfid;;↵ and add users ;../UsersAndGroups/AddNetworkUserAccount.rtfid;;↵ to the network.**

As you add users, be mindful of their storage requirements on the computer that hosts user home directories. Each user must be a member of at least one group.

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**4 Use NFSManager to set up file servers**

;../NetworkFiles/AboutNetworkFiles.rtf;;↖.

A file server exports a part of a filesystem tree to the network. Each client imports available filesystems to a particular mount point.

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**5 Set up additional network services on any of the computers.**

You can set up the following services:

A mail server to manage e-mail on the network

A print server to provide network access to a printer

A fax server to provide fax services to the network

A time server to synchronize clocks on all the computers

2PointRule.eps ↖

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**Concepts**

Need a basic introduction to types of networks?

;AboutSetup.rtf;;↖

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Not sure what host entries are and why you need them?

;../NetworkComputers/AboutNetworkComputers.rtf;;↖

**About network computers**

Want an overview of user accounts and user groups?

;../UsersAndGroups/AboutUsersAndGroups.rtf;;↖ **About**

**users and groups**

Questions about file servers and clients?

;../NetworkFiles/AboutNetworkFiles.rtf;;↖

**About network**

**files**

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How to

Need to support more than three computers?

;SetUpTwo-LevelNetwork.rtf;;↵ **Set up a two-level network**

Want to expand a tiny-network?

;MoveMasterServer.rtf;;↵ **Move the master server**

;CreateTwoLevelCloneServer.rtf;;↵ **Add a clone NetInfo  
server**