Manipulating WSA Logical Entities

This chapter explains how to create, modify, and use the logical entities available in the Cisco WSA Explorer application:

- Contracts on page 4-1

- Customer Ports on page 4-7

- Customers on page 4-25

- Projects on page 4-30

Contracts

The following sections give detailed information about the **Contracts** entity:

- Contracts—Description on page 4-1

- Contracts—Create on page 4-2

- Contracts—Modify on page 4-5
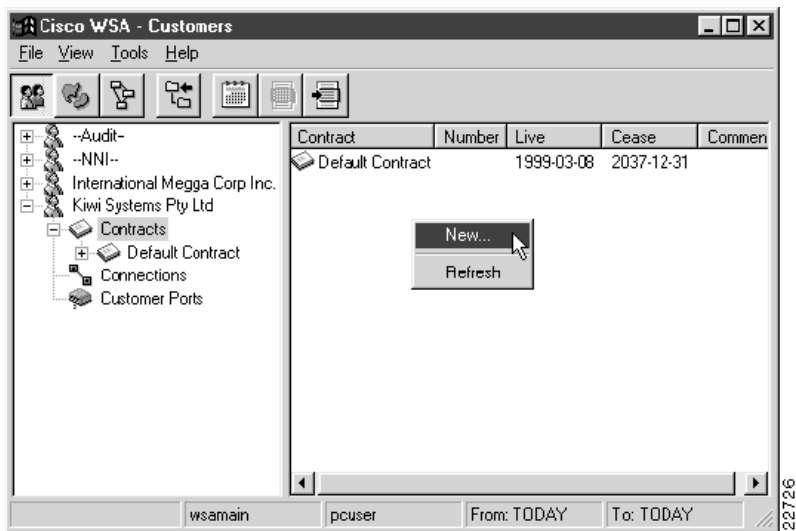
- Contracts—Delete on page 4-6

Contracts—Description

Contracts is the second-level logical entity in WSA (refer to Chapter 1, "Getting Started,") immediately after **Customers**. Each customer has at least one contract and each contract has at least one project.

Contracts—Create

To create a new Contract, select **Contracts** from the customer view and activate the **New…** right mouse menu from the list view popup menu, as shown in Figure 4-1, "Contracts List".

Figure 4-1   Contracts List

A New Contract dialog appears, as shown in Figure 4-2, "New Contract".

Figure 4-2   New Contract

Select the customer for which this new contract is being created and give a reference Number and a Name. This can be any string value, not just numeric, possibly from an external sales order processing system.

Note   Take care when selecting the customer for which this new contract is being created. The customer that you are currently browsing in the WSA Explorer Client is not passed to the new contract dialog and the list of customers is simply in alphabetical order.

The live and cease dates you choose will influence the generated default live and cease dates for the projects created within this contract. Consequently they also influence the default live and cease dates for customer ports assigned to those projects.

Choose an appropriate owner for this contract and set its status as required.

Once you complete the settings for this Contract, press **OK** to save the record and close the dialog. If you decide not to create this new Contract, press **Cancel** to close the dialog.

Note   When you create a new contract, one default project is created within it. The properties of this automatically-generated project can be modified if required. Refer to Projects—Modify on page 4-33.

Contracts—Modify

To modify an existing Contract, select **Contracts** in the customer view and activate the **Properties…** right mouse menu from the item menu, as shown in Figure 4-3, "Selecting a Contract for Modification".

Figure 4-3 Selecting a Contract for Modification
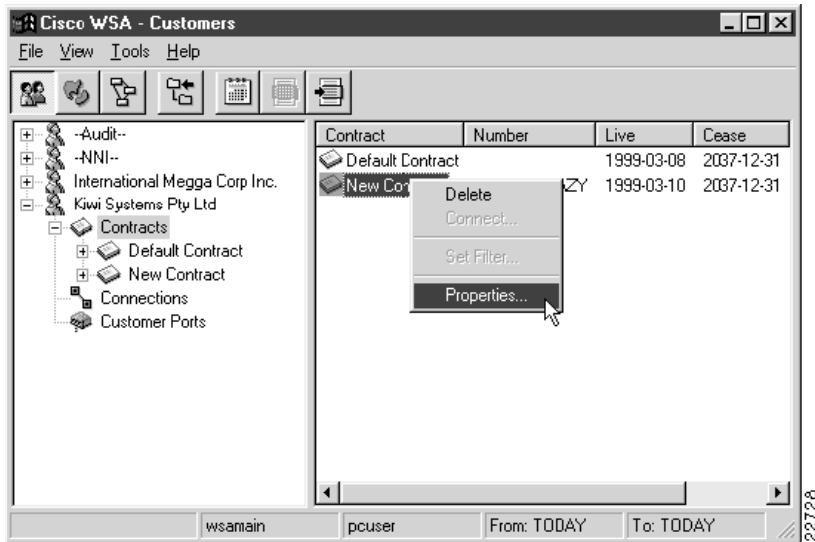
A Contract Properties dialog appears, as shown in Figure 4-4, "Contract Properties".

Figure 4-4   Contract Properties

Once you complete the settings for this Contract, press **OK** to save the record and close the dialog. If you decide not to modify the properties, press **Cancel** to close the dialog.

Contracts—Delete

Note This version of Cisco WSA does not allow deletion of contracts.

Customer Ports

The following sections give detailed information about the **Customer Ports** entity:

Customer Ports—Description

Customer Ports creation is achieved in two stages, creating the port record in the database and then allocating it a physical port.

Until a customer port has been allocated a physical port, it cannot be used as the end point of a **Connection** or **Net Link**.

Customer Ports—Create

To create a new Customer Port, select **Customer Ports** from the customer view and activate the **New…** right mouse menu from the list view popup menu, as shown in Figure 4-5, "Customer Port List".

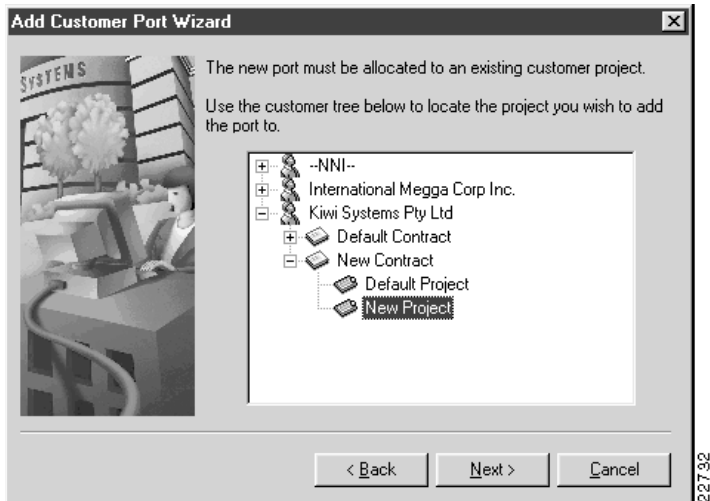**Figure 4-5   Customer Port List**
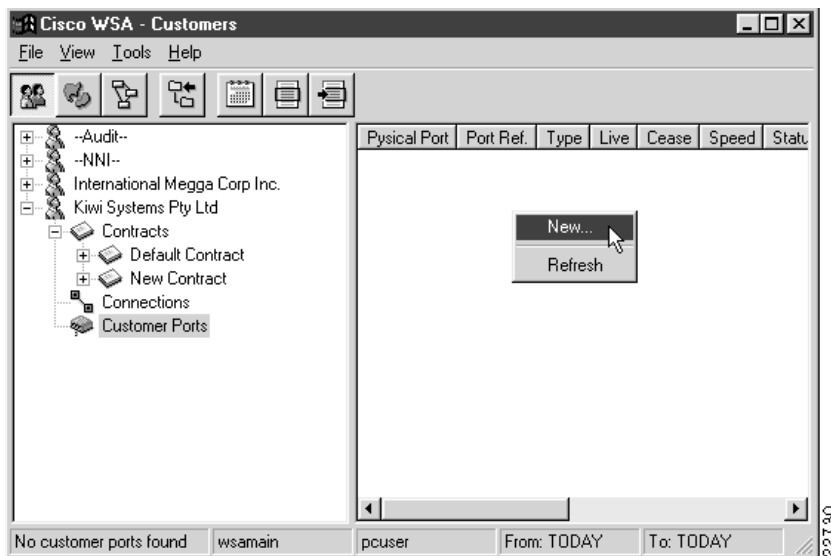
An Add Customer Port Wizard appears, as shown in Figure 4-6, "Add Customer Port Wizard".

Figure 4-6   Add Customer Port Wizard

Click **Next** to continue and select a project to which to add the customer port, as shown in Figure 4-7, "Selecting a Project".

Figure 4-7   Selecting a Project

Note   Only select a project belonging to the Network to Network Interconnect (NNI) customer if you really do intend to create a port that will be used for a Net Link (Trunk or NNI). Refer to the section Net Links on page 5-18.

Click **Next** to continue, and select live and cease dates for the customer port, as shown in Figure 4-8, "Selecting Live and Cease Dates".

**Figure 4-8   Selecting Live and Cease Dates**

Click **Next** to continue and select the physical port type and template, along with the initial and required statuses for the customer port, as shown in Figure 4-9, "Port Settings".

Figure 4-9   Port Settings
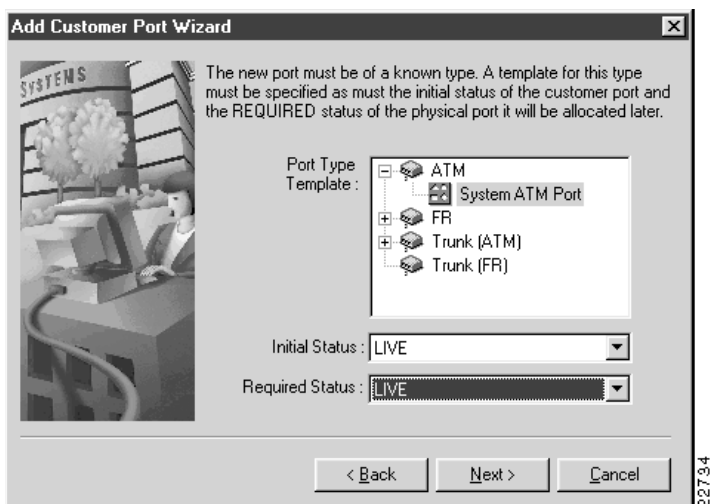
Click **Next** to continue, and set any additional information for the selected port type, as shown in Figure 4-10, "Additional Port Settings".

Figure 4-10   Additional Port Settings
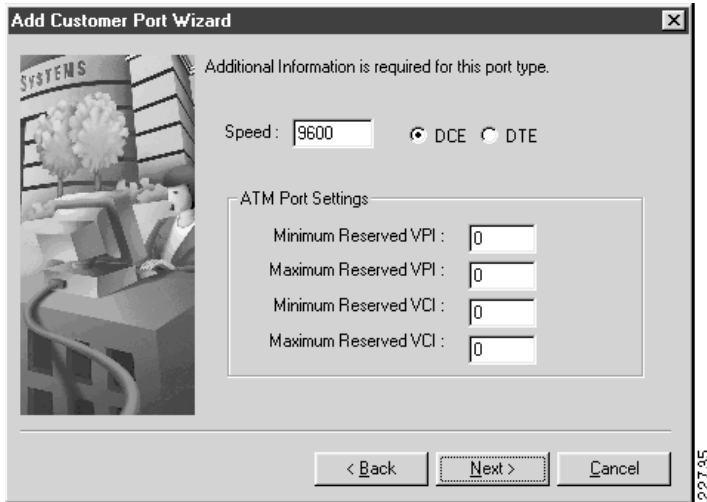
Note   If the Customer Port you are creating is Frame Relay, you will be prompted here to define whether the interface is to be channelized and, if so, the number of time slots to consume on the physical port.

Click **Next** to continue, choose a location for the new Customer Port, and enter a reference for it, as shown in Figure 4-11, "Setting the Location".

Figure 4-11   Setting the Location
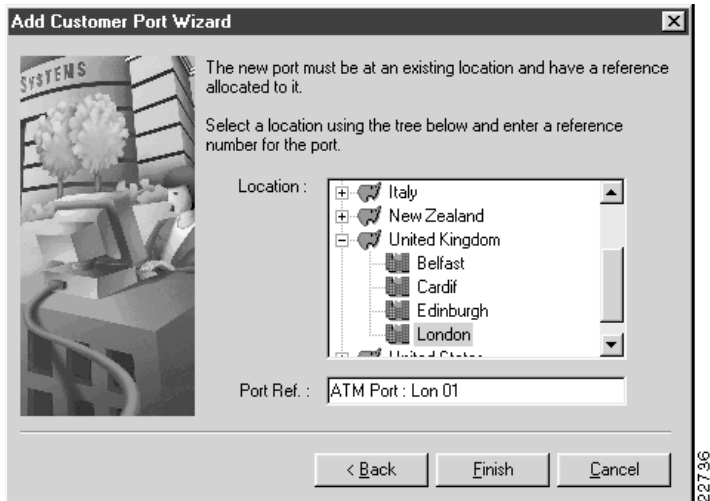
Once you complete the settings for this Customer Port, press **Finish** to create the record. If you decide not to create this new Customer Port, press **Cancel** to close the Wizard.

When the customer port is successfully created, you are asked if you wish to create another Customer Port, as shown in Figure 4-12, "Add Another Prompt".

Figure 4-12   Add Another Prompt
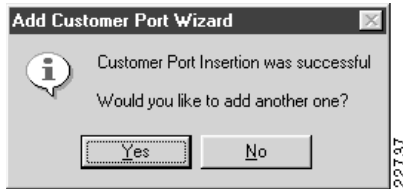
Press **Yes** to return to the Add Customer Port Wizard, or press **No** to close the Wizard and return to the Customer Port List.

Customer Ports—Physical Port Allocation

To allocate a physical port to an existing Customer Port, select **Customer Ports** in the customer view and activate the **Properties…** right mouse menu from the item menu, as shown in Figure 4-13, "Selecting a Customer Port for Port Allocation".

Figure 4-13   Selecting a Customer Port for Port Allocation
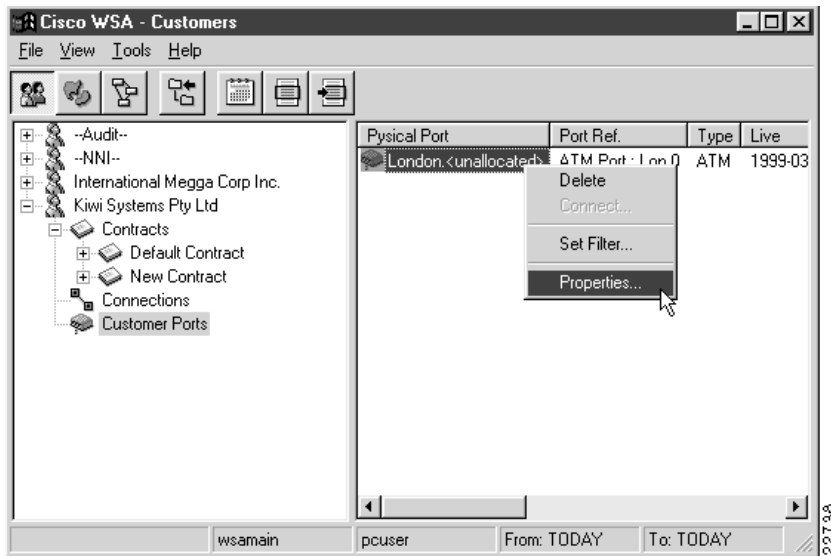
A Customer Port Properties dialog appears, as shown in Figure 4-14, "Customer Port Properties".
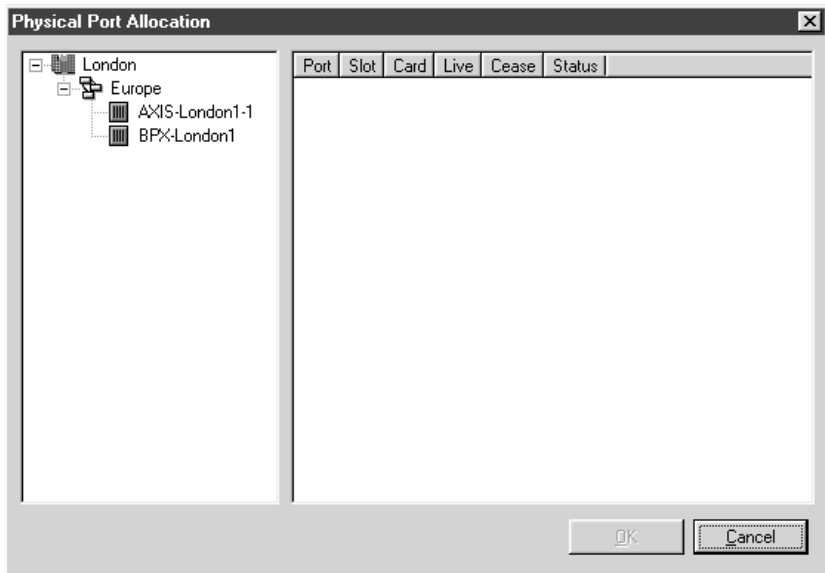
Figure 4-14   Customer Port Properties

Press **Allocate** and a Physical Port Allocation dialog appears, as shown in Figure 4-15, "Physical Port Allocation".

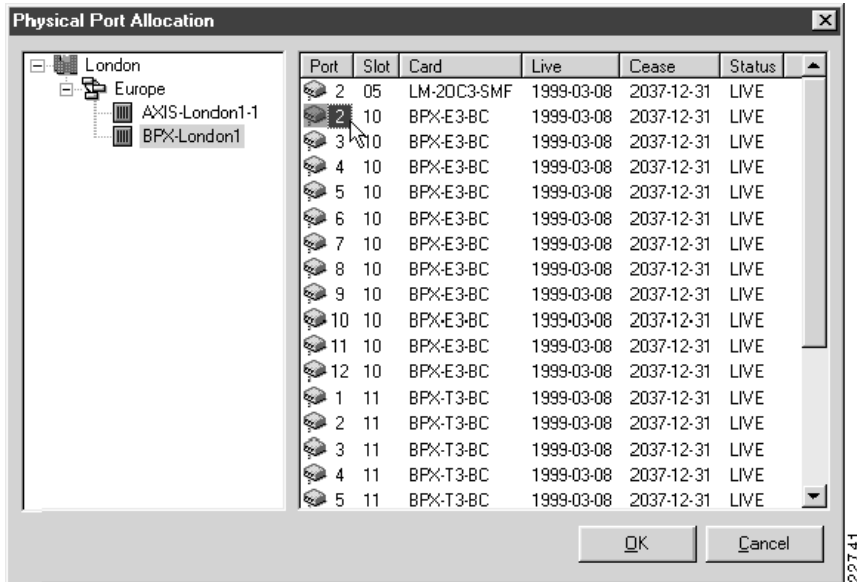**Figure 4-15   Physical Port Allocation**

Select a node from the tree view and then select a physical port from the list, as shown in Figure 4-16, "Selecting an Individual Port".

Figure 4-16   Selecting an Individual Port

Note   If the Customer Port to which you are allocating this physical port is for Frame Relay and is using more than one time slot on a channelized interface, you must select the appropriate number of *consecutive* time slots from this dialog (an extra **TSlot** column appears in the list for channelized interfaces) before the **OK** button is available for selection.

Once you are satisfied that the physical port you have chosen is suitable, press **OK** to allocate it to the Customer Port and close the dialog. If you decide not to allocate a physical port at this time, press **Cancel** to close the dialog.

When the physical port has been allocated, the customer port properties appear, as shown in Figure 4-17, "Customer Port Properties After Physical Port Allocation".

Figure 4-17   Customer Port Properties After Physical Port Allocation

Note   After allocating the physical port, it is not possible to change your mind and choose a different physical port. **Allocate…** is disabled. However, at this point the changes to the Customer Port record have yet to be committed to the database, so it is possible to start again on the port allocation process by pressing **Cancel**, which cancels the allocation just made.

Once you complete this allocation, press **OK** to save the record and close the dialog. If you decide to cancel this allocation, press **Cancel** to close the dialog.

Customer Ports—Modify

To modify an existing Customer Port, select **Customer Ports** in the customer view and activate the **Properties…** right mouse menu from the item menu, as shown in Figure 4-18, Selecting a Customer Port for Modification".

Figure 4-18   Selecting a Customer Port for Modification
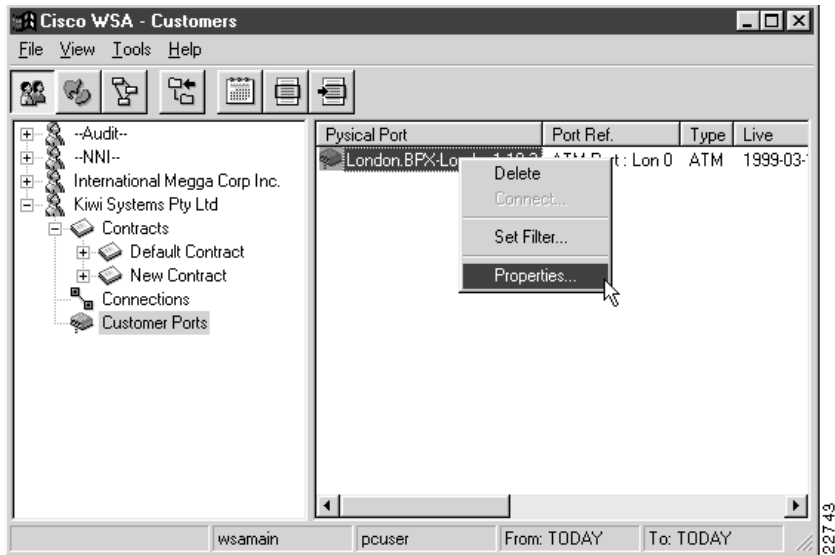
A Customer Port Properties dialog appears, as shown in Figure 4-19, "Customer Port Properties".

Figure 4-19   Customer Port Properties


After port allocation, the only Customer Port properties that can be modified are the *soft* attributes of reference, customer defined location, system port number, revenue, status, and comment.

Once you complete the settings for this Customer Port, press **OK** to save the record and close the dialog. If you decide not to modify the properties, press **Cancel** to close the dialog.

Customer Ports—Delete

To delete a Customer Port, select **Customer Ports** in the tree view and activate the **Delete…** right mouse menu from the item menu, as shown in Figure 4-20, "Selecting a Customer Port for Deletion".

Figure 4-20   Selecting a Customer Port for Deletion
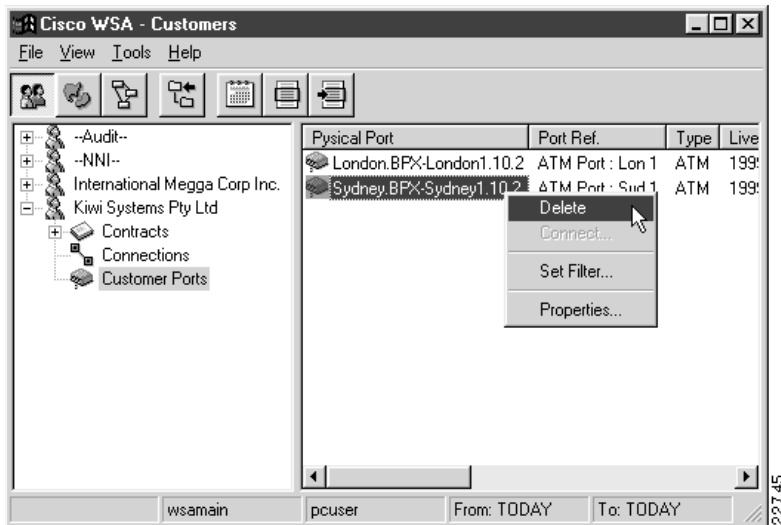
A delete confirmation dialog appears. Press **Yes** to delete the Customer Port; press **No** if you decide not to delete it.

If the Customer Port selected for deletion is being used by any connections, you will not be allowed to delete it and a dialog will inform you of this, as shown in Figure 4-21, "Unable to Delete Customer Port".

Figure 4-21   Unable to Delete Customer Port
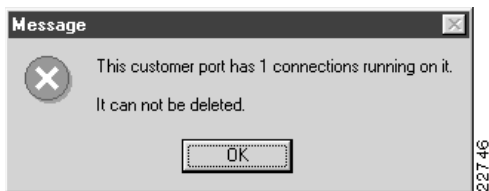
Customers

The following sections give detailed information about the **Customers** entity:

- Customers—Description on page 4-25
- Customers—Create on page 4-26
- Customers—Modify on page 4-28
- Customers—Delete on page 4-29

Customers—Description

Customers are regarded as the top level logical entity in WSA. Refer to Chapter 1, "Getting Started," for details. Each customer has at least one contract and each contract has at least one project.

When a new customer is created, a default contract and project are created, which can be modified later, as described in the section Customers—Modify on page 4-28.

Customers—Create

To create a new Customer, select the **Customers** tool bar button and activate the **New…** right mouse menu from the list view popup menu, as shown in Figure 4-22, "Customer List".

Figure 4-22   Customer List
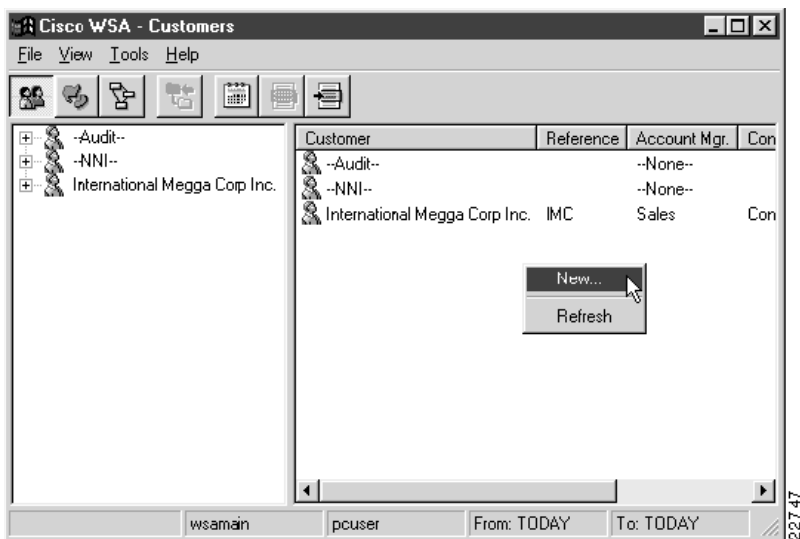
A New Customer dialog appears, as shown in Figure 4-23, "New Customer".

Figure 4-23   New Customer

All fields except the comment are mandatory. Outside the customer list, only the name is used.

Once you complete the settings for this Customer, press **OK** to save the record and close the dialog. If you decide not to create this new Customer, press **Cancel** to close the dialog.

Customers—Modify

To modify an existing Customer, select the **Customers** tool bar button and activate the **Properties…** right mouse menu from the item menu, as shown in Figure 4-24, "Selecting a Customer for Modification".

Figure 4-24   Selecting a Customer for Modification
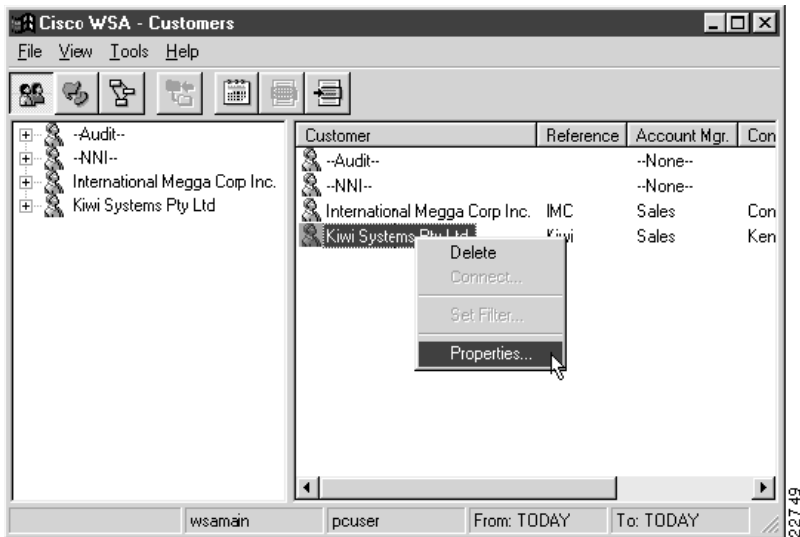
A Customer Properties dialog appears, as shown in Figure 4-25, "Customer Properties".

Figure 4-25   Customer Properties

Once you complete the settings for this Customer, press **OK** to save the record and close the dialog. If you decide not to modify the properties, press **Cancel** to close the dialog.

Customers—Delete

Note   This version of Cisco WSA does not allow deletion of customers.

Projects

The following sections give detailed information about the **Projects** entity:

- Projects—Description on page 4-30
- Projects—Create on page 4-31
- Projects—Modify on page 4-33
- Projects—Delete on page 4-34

Projects—Description

Projects are the third logical entity in WSA (refer to Chapter 1, "Getting Started,") between contracts and customer ports. Customer ports are owned by projects.

Projects—Create

To create a new Project, select **Projects** from the customer view and activate the **New…** right mouse menu from the list view popup menu, as shown in Figure 4-26, "Project List".

Figure 4-26   Project List
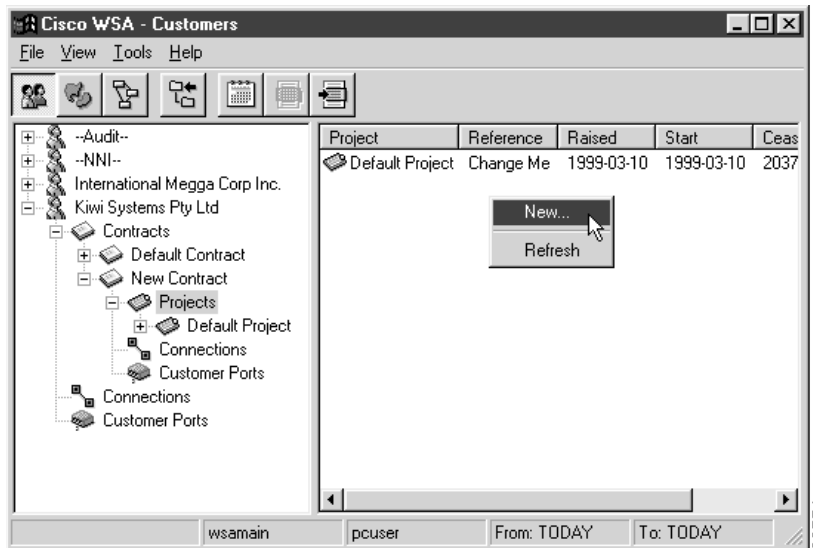
A New Project dialog appears, as shown in Figure 4-27, "New Project".

Figure 4-27   New Project

Select a **Customer** and **Contract**. Then supply a name and reference for the new project.

Note   Take care when selecting the **Customer** and **Contract** for the new project. The **Customer** and **Contract** that you are currently browsing in the WSA Explorer Client are not passed to the new project dialog, and the list of customers is simply in alphabetical order.

The live and cease dates that you choose will influence the generated default live and cease dates for the customer ports created within this project. Therefore, they influence the default live and cease dates for connections created on those customer ports.
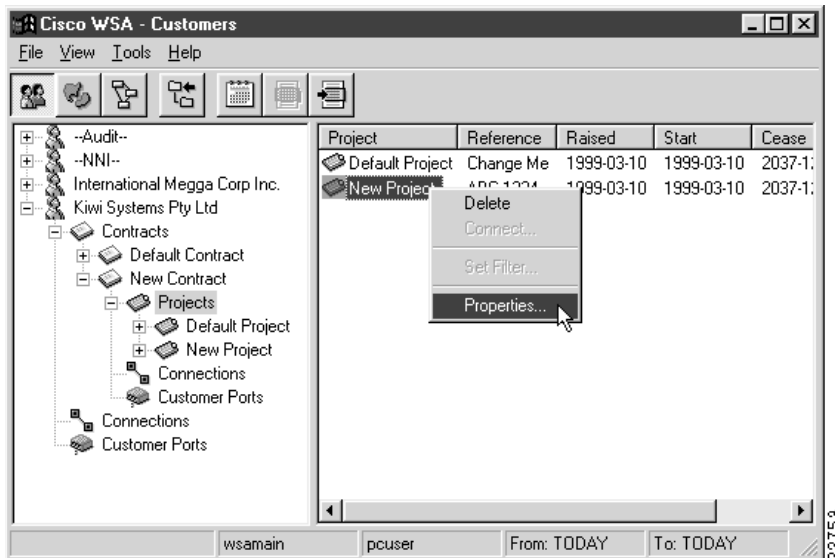
Choose an appropriate owner for this project and set its status as required.

Once you complete the settings for this Project, press **OK** to save the record and close the dialog. If you decide not to create this new Project, press **Cancel** to close the dialog.

Projects—Modify

To modify an existing Project, select **Projects** in the tree view and activate the **Properties...** right mouse menu from the item menu, as shown in Figure 4-28, "Selecting a Project for Modification".

Figure 4-28   Selecting a Project for Modification

A Project Properties dialog appears, as shown in Figure 4-29, "Project Properties".

Figure 4-29   Project Properties

Once you complete the settings for this Project, press **OK** to save the record and close the dialog. If you decide not to modify the properties, press **Cancel** to close the dialog.

Projects—Delete

Note   This version of Cisco WSA does not allow deletion of Projects.