



sla\_creation.ppt

## Assumptions

- You have Netcool Service Quality Manager 4.1 installed and running
- You are a user with access to Service Quality Manager and SLA Provisioning roles

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Service level agreement creation

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The assumptions are that you have Netcool Service Quality Manager 4.1 installed and running and that you are a user with access to Service Quality Manager and an SLA Provisioning Role.

## Objectives

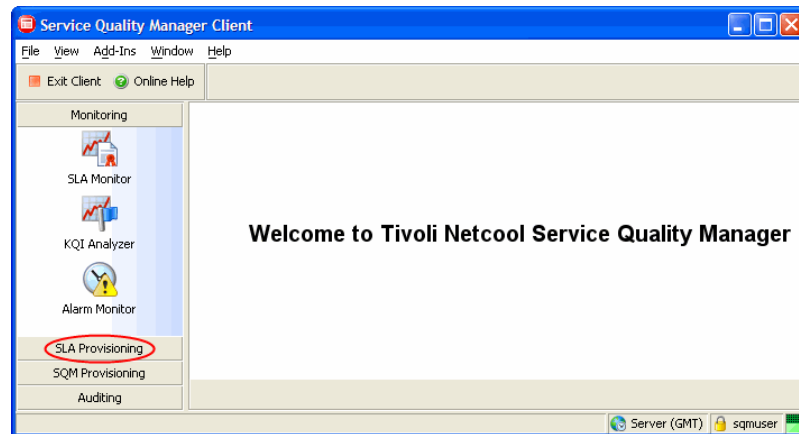
- Upon completion of this module, you should be able to:
  - ▶ Create a new service level agreement (SLA)
  - ▶ Create a service level agreement from an existing service level agreement
  - ▶ Create a service level agreement from a template



Upon completion of this module, you should be able to create a new service level agreement, create a service level agreement from an existing service level agreement, and create a service level agreement from a template.

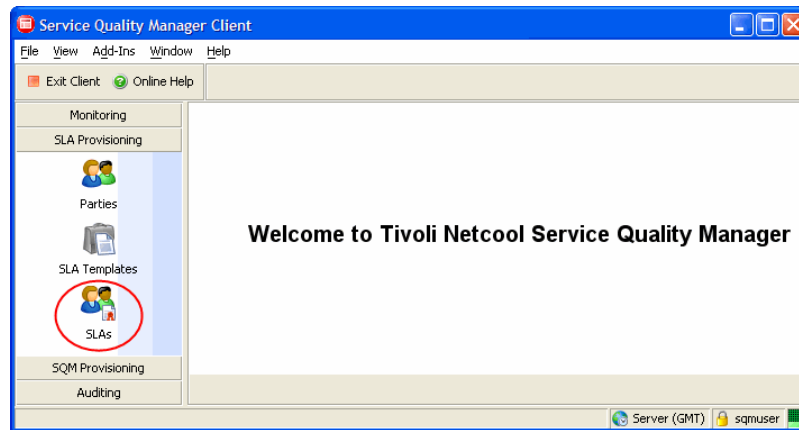
## Start SLA provisioning

Click **SLA Provisioning** on the shortcut bar



Starting at the welcome page, click **SLA Provisioning** on the shortcut bar.

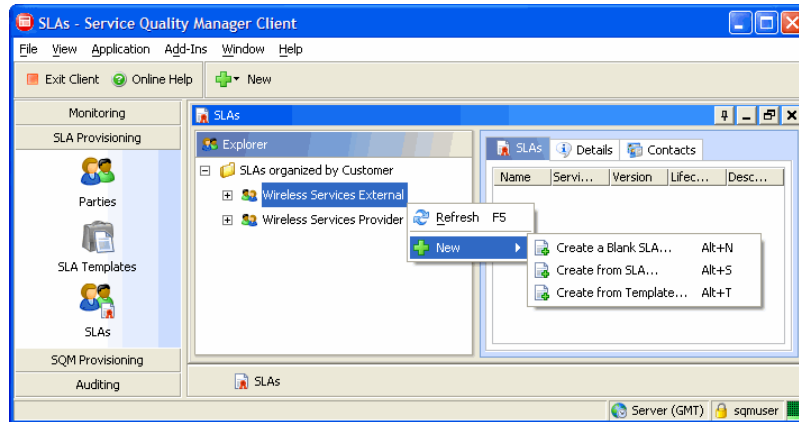
## Select SLAs



Click **SLAs** in the **SLA Provisioning** menu.

## Create an SLA

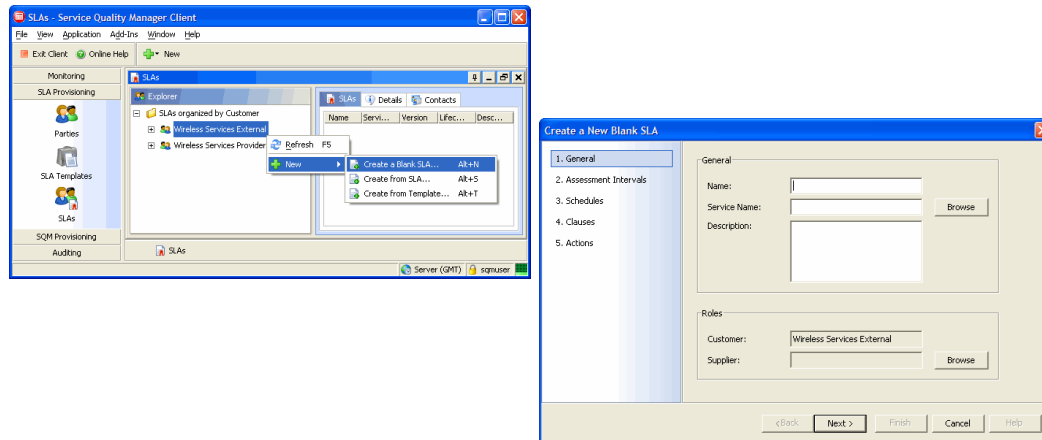
- Highlight and right-click **Wireless Services External**
- You can create a blank SLA, create a new SLA from an existing SLA, or create an SLA from a template



In the **SLAs** window, highlight the **Wireless Services External** party and click **New**, or right-click the **Wireless Services External** party to create an SLA.

## Create a new SLA

Click **Create a Blank SLA...**



Click **Create a Blank SLA...** to create a new SLA.

## Enter a name and description

- Enter a name
- Enter a description (optional)

The screenshot shows a 'Create a New Blank SLA' dialog box with a sidebar on the left containing a list of tabs: 1. General, 2. Assessment Intervals, 3. Schedules, 4. Clauses, and 5. Actions. The 'General' tab is selected. The main area is divided into two sections: 'General' and 'Roles'. In the 'General' section, there are three text input fields: 'Name' (containing 'WirelessServices'), 'Service Name' (empty), and 'Description' (containing 'Wireless Services Description'). There are 'Browse' buttons next to the 'Service Name' and 'Description' fields. In the 'Roles' section, there are two text input fields: 'Customer' (containing 'Wireless Services External') and 'Supplier' (empty). There is a 'Browse' button next to the 'Supplier' field. At the bottom of the dialog box, there are five buttons: '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'. The 'Next >' button is highlighted.

You must enter the name of the SLA, for example, **WirelessServices**.

Entering a description is optional.



## Enter a service name

Enter a service name or click **Browse** to locate a service name

1. General  
2. Assessment Intervals  
3. Schedules  
4. Clauses  
5. Actions

General

Name: WirelessServices

Service Name:  Browse

Description: Wireless Services Description

Roles

Customer: Wireless Services External

Supplier:  Browse

< Back Next > Finish Cancel Help

You can type the name of the service model.

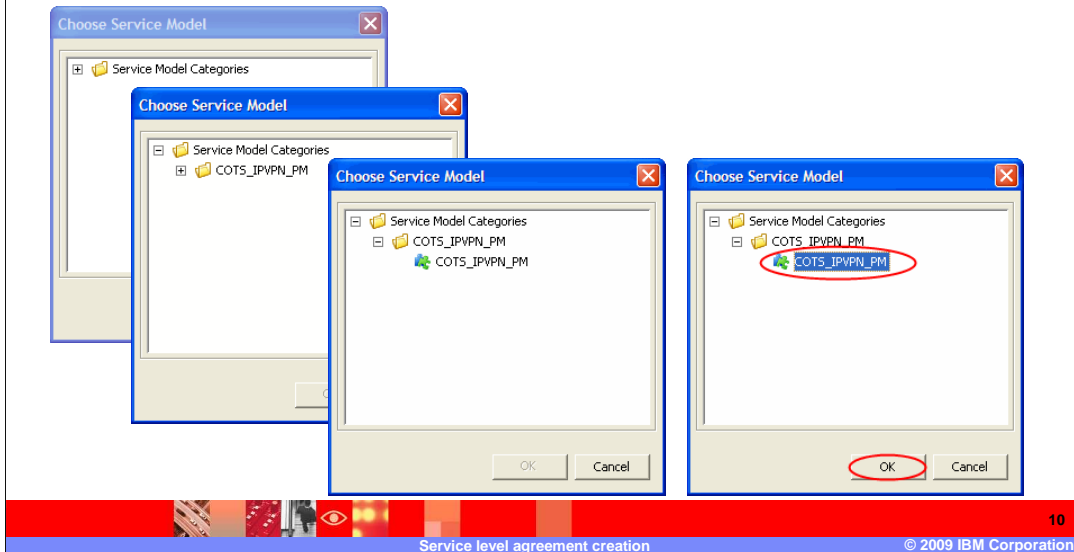
If the service model is not provisioned, the service model is not displayed in the Clause Editor

Click **Browse** to select a service name from a new window.

You can type the name of the service model, but if the service model is not provisioned, the service model is not be displayed in the Clause Editor, and you must add clauses manually.

## Select a service model

Expand the folders, select **Service Model**, and click **OK**



Expand **Service Model** categories. Expand **COTS\_IPVPN\_PM**. Select the **COTS\_IPVPN\_PM** service model and click **OK**.

## Select a supplier

Click **Browse** to locate a supplier

Create a New Blank SLA

1. General  
2. Assessment Intervals  
3. Schedules  
4. Clauses  
5. Actions

General

Name: WirelessServices  
Service Name: COTS\_IPVPN\_PM   
Description: Wireless Services Description

Roles

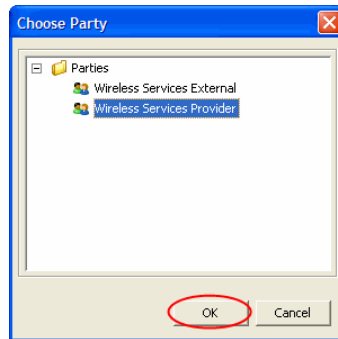
Customer: Wireless Services External  
Supplier:

< Back Next > Finish Cancel Help

Click **Browse** to select a supplier from a new window.

## Select a party

Highlight a party and click **OK**



Select the **Wireless Services Provider** party and click **OK**.

## Finish the general section

The screenshot shows a Windows-style dialog box titled "Create a New Blank SLA". On the left is a vertical list of tabs: 1. General (selected), 2. Assessment Intervals, 3. Schedules, 4. Clauses, and 5. Actions. The main area is divided into two sections. The "General" section contains three text boxes: "Name:" with the value "WirelessServices", "Service Name:" with the value "COTS\_IPVPN\_PM", and "Description:" with the value "Wireless Services Description". There is a "Browse" button next to the Service Name field. The "Roles" section contains two text boxes: "Customer:" with the value "Wireless Services External" and "Supplier:" with the value "Wireless Services Provider". There is a "Browse" button next to the Supplier field. At the bottom of the dialog are five buttons: "< Back", "Next >" (which is circled in red), "Finish", "Cancel", and "Help".

Click **Next** to finish the General section of SLA creation.

## Select assessment intervals

Select trial and contractual assessment intervals as needed

Create a New Blank SLA

1. General  
2. Assessment Intervals  
3. Schedules  
4. Clauses  
5. Actions

☒ Trial

Start Time: May 19, 2009 00:00 GMT

☐ End Time: Never

The Trial Interval must end before the start date of the Contractual Interval if the Contractual Interval is defined.

☒ Contractual

Start Time: May 19, 2009 00:00 GMT

☐ End Time: Never

< Back Next > Finish Cancel Help

Select trial and contractual assessment intervals as needed.

## Select interval start and end times

Select start and end times for assessment intervals

- Highlight a time and click the arrows to increase or decrease the time or click the calendar icon to select a date
- Click **Use Contract Start** to match the trial end time to the contractual start time or click **Use Trial End** to match the contractual start time to the trial end time

The screenshot shows the 'Create a New Blank SLA' dialog box with the 'Assessment Intervals' tab selected. The 'Trial' section is highlighted with a red oval, showing 'Start Time: May 19, 2009 00:00 GMT' and 'End Time: May 20, 2009 00:00 GMT'. Below it, the 'Contractual' section is also highlighted with a red oval, showing 'Start Time: May 20, 2009 00:00 GMT' and 'End Time: Never'. A calendar for May 2009 is open, showing the dates 19 and 20. The 'Use Contract Start' button is visible next to the 'End Time' field.

Select start and end times for the assessment intervals. Highlight a section of time and click the arrows to increase or decrease the time, or click the calendar icon to select a date. Click **Use Contract Start** to match the trial end time to the contractual start time, or click **Use Trial End** to match the contractual start time to the trial end time as needed.

## Finish creating new SLA assessment intervals

Create a New Blank SLA

1. General  
2. Assessment Intervals  
3. Schedules  
4. Clauses  
5. Actions

☒ Trial

Start Time: May 19, 2009 00:00 GMT

☒ End Time: May 20, 2009 00:00 GMT Use Contract Start

The Trial Interval must end before the start date of the Contractual Interval if the Contractual Interval is defined.

☒ Contractual

Start Time: May 20, 2009 00:00 GMT Use Trial End

☐ End Time: Never

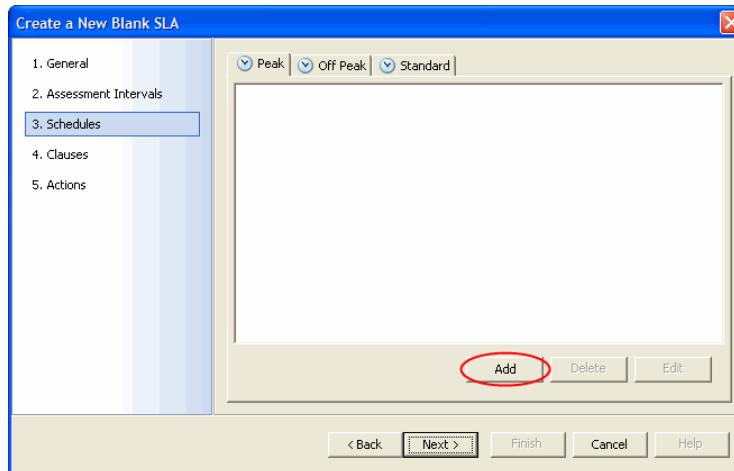
< Back Next > Finish Cancel Help

Click **Next** to finish the Assessment Intervals section of SLA creation.



## Add a schedule to the new SLA

Click **Add** to add a peak schedule



You can add off peak or standard schedules by clicking the **Off Peak** or **Standard** tabs

Click **Add** to add a peak schedule to your SLA.

You can add off peak or standard schedules by clicking the **Off Peak** and **Standard** tabs.

## Select holiday and weekday schedules

- You can include or exclude public holidays
- You can include working days, the weekend, the full week, or specific weekdays

The screenshot shows the 'Date/Time composition' dialog box. The 'Public Holidays' section has 'Include Holidays' checked. The 'Week Days' section has all days (Monday-Sunday) checked. The 'Specific Days' section has empty 'Included Days' and 'Excluded Days' lists. The 'Day time coverage' section shows a time grid with 'Start' at 00:00 and 'End' at 00:00. Red circles highlight the 'Include Holidays' checkbox, the 'Week Days' section, and the 'Working Days', 'Week-end', and 'Full Week' buttons.

You can include or exclude public holidays by selecting Include Holidays or Exclude Holidays in the Public Holidays section.

You can include working days, weekend, or full week, or add specific weekdays to your SLA template. For specific days, select the check boxes for the days listed in the Weekdays section.

## Add specific days to a new SLA

- You can include or exclude specific days from the schedule
- Click the calendar icon to select dates from a calendar, select day to include or exclude, and click **OK**

The screenshot shows the 'Date/Time composition' dialog box. It includes sections for 'Public Holidays' (with 'Include Holidays' checked), 'Week Days' (with all days checked), and 'Specific Days'. The 'Specific Days' section has 'Included Days' and 'Excluded Days' lists, each with a calendar icon circled in red. A calendar for April 2009 is open, showing days from Sunday to Saturday. The 'OK' button at the bottom of the calendar is also circled in red. The 'Day time coverage' section shows a time range from 0-6 to 6-1 and a 'Start' time of 00:00.

You can add specific days to include and exclude from the schedule of your SLA by clicking the calendar icons, selecting a day to include or exclude, and clicking **OK**.

## Delete specific days from a new SLA

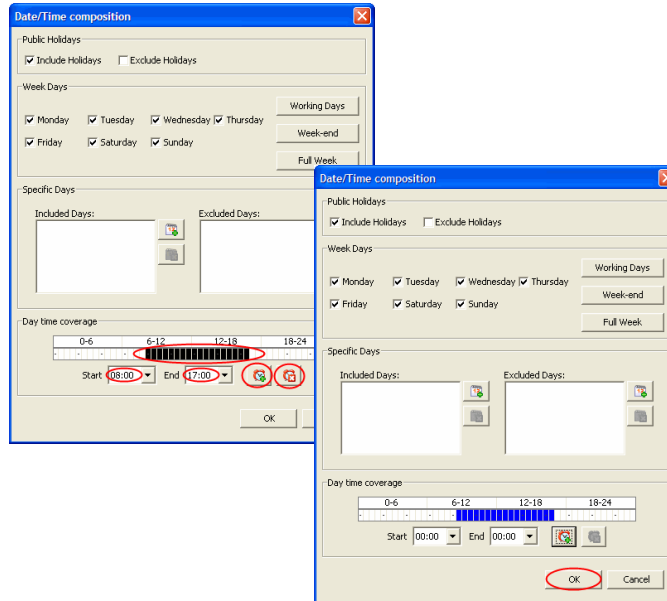
- You can delete specific days to include or exclude them from the schedule
- Highlight the day to delete and click the delete icon

The screenshot shows the 'Date/Time composition' dialog box. In the 'Specific Days' section, the 'Included Days' list contains '4/1/09 - Wednesday', which is highlighted with a red oval. A red circle highlights the delete icon (a trash can) next to this entry. The 'Excluded Days' list is empty. The 'Day time coverage' section shows a grid for time slots (0-6, 6-12, 12-18, 18-24) and 'Start'/'End' time pickers set to 00:00.

You can delete specific days to include and exclude from the schedule of your SLA by highlighting the day to delete and clicking the delete icon.

## Select day time coverage

- You can select the day time coverage by highlighting a block of time on the slider bar or by selecting a start and end time from the menus
- Click the Add Time icon to choose the selected time
- Click the Delete Time icon to change your selection
- Click **OK**



You can select the day time coverage by highlighting a block of time on the slider bar or selecting the **Start** and **End** time from the menus.

You can click the Add Time icon to choose the selected time, which then changes to blue.

You can click the Delete Time icon to change your selection.

Click **OK**.

## Finish creating the new SLA schedule

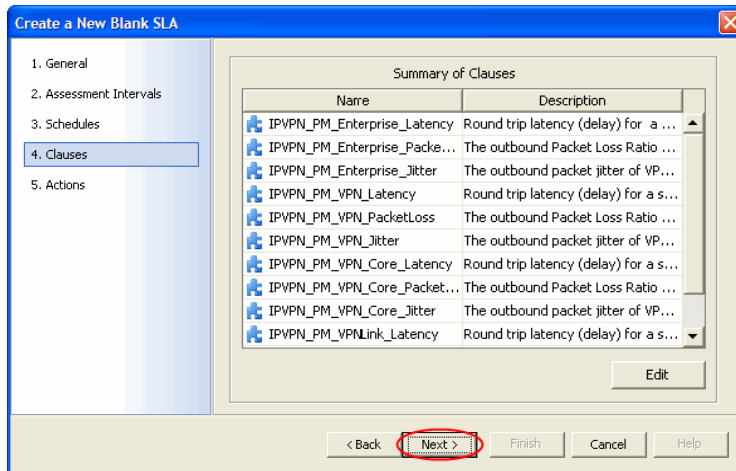
The screenshot shows a software window titled "Create a New Blank SLA". On the left is a vertical navigation pane with five items: "1. General", "2. Assessment Intervals", "3. Schedules" (which is highlighted), "4. Clauses", and "5. Actions". The main area of the window has three tabs at the top: "Peak", "Off Peak", and "Standard", with "Peak" selected. Below the tabs, a text box contains the text "including from Monday to Sunday and holidays" and "time from 8:00 AM to 5:00 PM". Below this text box are three buttons: "Add", "Delete", and "Edit". At the bottom of the window is a row of five buttons: "< Back", "Next >" (which is circled in red), "Finish", "Cancel", and "Help".

Make sure that there is a time period reported. In this example, the time period is 8:00 a.m. to 5:00 p.m. If no time period is shown, click the **Add** button and click the Add Time icon, which is shaped like a clock.

Click **Next** to finish the Schedules section of the SLA creation.

## Accept the clauses

Click **Next** to accept the clauses



You can edit the clauses by clicking **Edit**

Click **Next** to accept the clauses section.

You can edit the clauses by clicking **Edit**.

If the model initially chosen is not provisioned, there are no clauses, and you must add the clauses manually.

## Create new SLA actions

Click **New** to create a new action

**Create a New Blank SLA**

1. General  
2. Assessment Intervals  
3. Schedules  
4. Clauses  
5. Actions

Actions taken when SLA enters a new state

New SLA state	Action taken
---------------	--------------

New Modify Delete

< Back Next > Finish

**Create a New Action**

Action Type: Send an internal alarm  
Violation State: Indeterminate

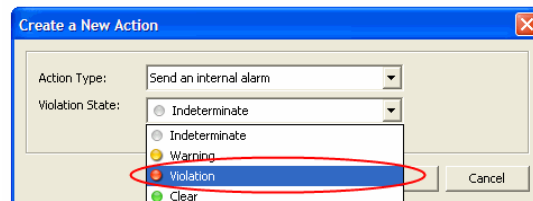
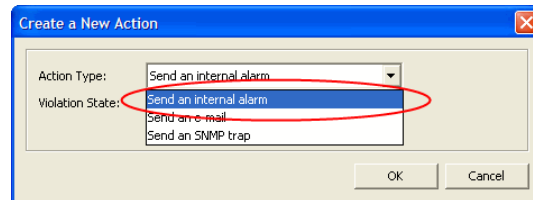
OK Cancel

Click **New** to create a new action.



## Create new SLA action type and violation state

- Select an action type and a violation state
- Valid action types are send an internal alarm, send an e-mail, and send an SNMP trap
- Valid violation states are indeterminate, warning, violation, and clear
- Select **Send an internal alarm** as the Action Type and **Violation** as the Violation State



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Service level agreement creation

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Choose an action type and violation state. Valid action types are send an internal alarm, send an e-mail, and send an SNMP trap. Valid violation states are indeterminate, warning, violation, and clear. Select **Send an internal alarm** as the Action Type, and **Violation** as the Violation State.

## Finish creating the new SLA

1. General  
2. Assessment Intervals  
3. Schedules  
4. Clauses  
5. Actions

Actions taken when SLA enters a new state

New SLA state	Action taken
Violation	Send an internal alarm

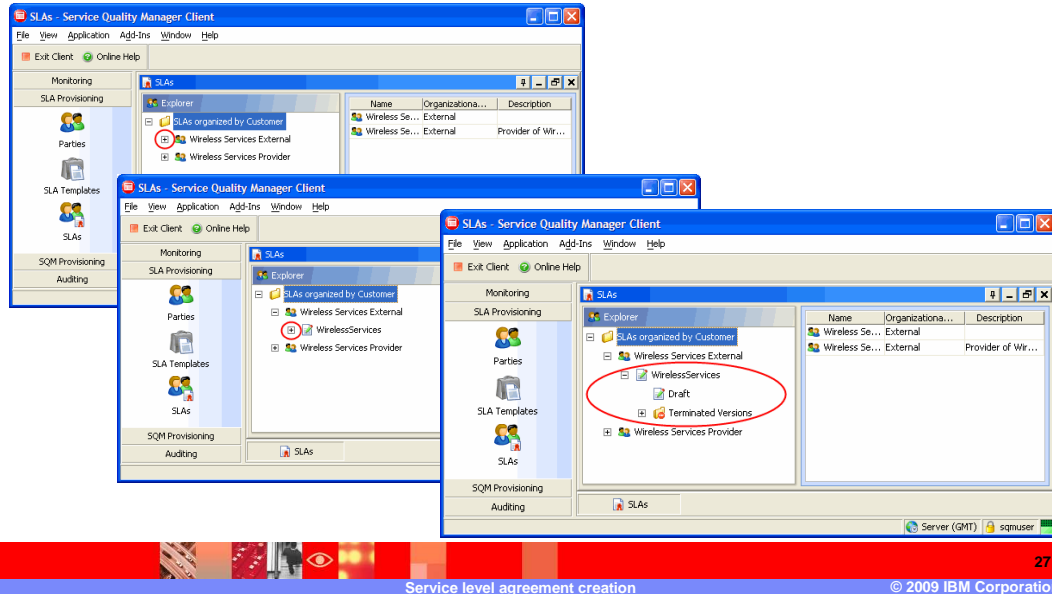
New Modify Delete

< Back Next > **Finish** Cancel Help

Click **Finish** to finish the Actions section of SLA creation and create your SLA.

## View the new SLA

Expand **Wireless Services External** and expand **WirelessServices** to view the new SLA



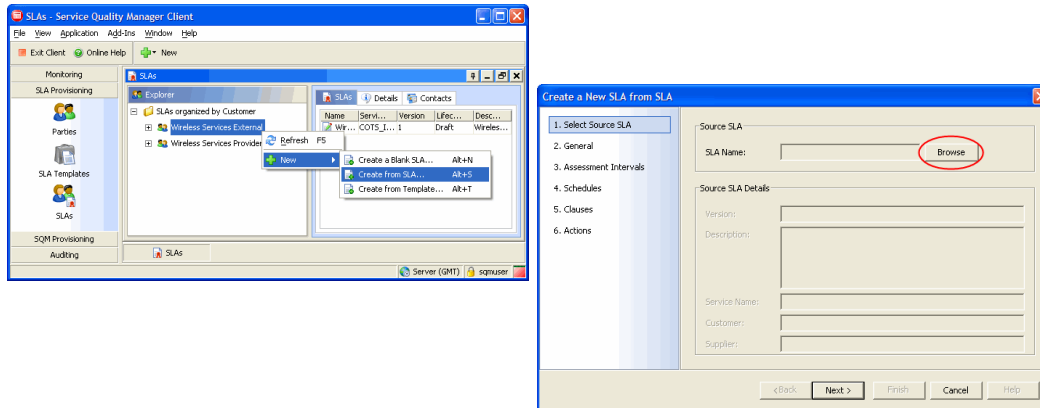
Service level agreement creation

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Expand **Wireless Services External** and expand **WirelessServices** to view the new SLA.

## Create a new SLA from an existing SLA

- Click **Create from SLA...**
- Click **Browse** to select a source SLA from which to create the new SLA

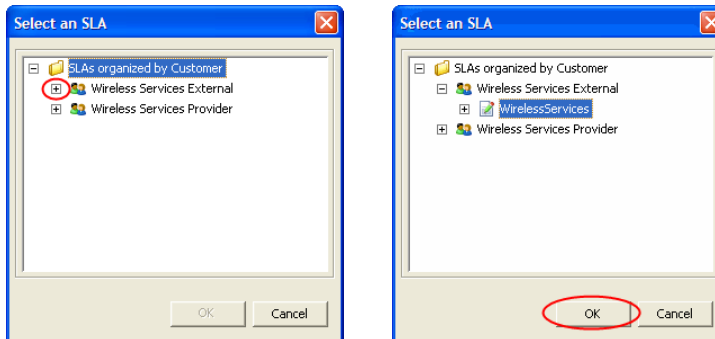


Click **Create from SLA...** to create an SLA from an existing SLA.

Click **Browse** to select an SLA from which to create the new SLA.

## Select a source SLA

- Expand **Wireless Services External**
- Highlight **WirelessServices**
- Click **OK**



Expand **Wireless Services External**. Select the **WirelessServices** SLA and click **OK**.

## Finish selecting the source SLA

1. Select Source SLA

2. General

3. Assessment Intervals

4. Schedules

5. Clauses

6. Actions

Source SLA

SLA Name: WirelessServices Browse

Source SLA Details

Version: 1 (Current State: Draft)

Description: Wireless Services Description

Service Name: COTS\_IPVPN\_PM

Customer: Wireless Services External

Supplier: Wireless Services Provider

< Back Next > Finish Cancel Help

You can click **Browse** to select another SLA name

Click **Next** to finish selecting the source SLA.

You can click **Browse** to select another SLA name.

## Create a name for the new SLA

Enter a name and click **Next**

The screenshot shows a software window titled "Create a New SLA from SLA". On the left is a vertical list of steps: 1. Select Source SLA, 2. General (highlighted), 3. Assessment Intervals, 4. Schedules, 5. Clauses, and 6. Actions. The main area is divided into two sections. The "General" section has three text boxes: "Name:" with the value "WirelessServices2", "Service Name:" with the value "COTS\_IPVPN\_PM", and "Description:" with the value "Wireless Services Description". There is a "Browse" button next to the Service Name field. The "Roles" section has two text boxes: "Customer:" with the value "Wireless Services External" and "Supplier:" with the value "Wireless Services Provider". There is a "Browse" button next to the Supplier field. At the bottom of the window are five buttons: "< Back", "Next >" (circled in red), "Finish", "Cancel", and "Help".

You can change the service name, description, and roles supplier as needed

Click **Browse** to locate a service name or roles supplier from a list

You must enter the name of the SLA, for example, **WirelessServices2**.

You can change the service name, description and roles supplier as needed. You can click **Browse** for the service name or roles supplier to select from a list.

Click **Next**.

## Create assessment intervals

Create a New SLA from SLA

1. Select Source SLA  
2. General  
3. Assessment Intervals  
4. Schedules  
5. Clauses  
6. Actions

☒ Trial

Start Time: May 19, 2009 00:00 GMT

End Time: May 20, 2009 00:00 GMT Use Contract Start

The Trial Interval must end before the start date of the Contractual Interval if the Contractual Interval is defined.

☒ Contractual

Start Time: May 20, 2009 00:00 GMT Use Trial End

☐ End Time: Never

< Back Next > Finish Cancel Help

You can add or remove trial and contractual assessment intervals and change the start and end times as needed.

Click **Next** to finish the Assessment Intervals section of SLA creation.

You can add or remove trial and contractual assessment intervals, and change the start and end times as needed.



## Create schedules

The screenshot shows a dialog box titled "Create a New SLA from SLA" with a sidebar on the left containing a list of steps: 1. Select Source SLA, 2. General, 3. Assessment Intervals, 4. Schedules (highlighted), 5. Clauses, and 6. Actions. The main area of the dialog has three tabs: "Peak", "Off Peak", and "Standard". The "Peak" tab is selected, and the text inside reads: "including from Monday to Sunday and holidays" and "time from 8:00 AM to 5:00 PM". Below this text are three buttons: "Add", "Delete", and "Edit". At the bottom of the dialog are five buttons: "< Back", "Next >" (which is circled in red), "Finish", "Cancel", and "Help".

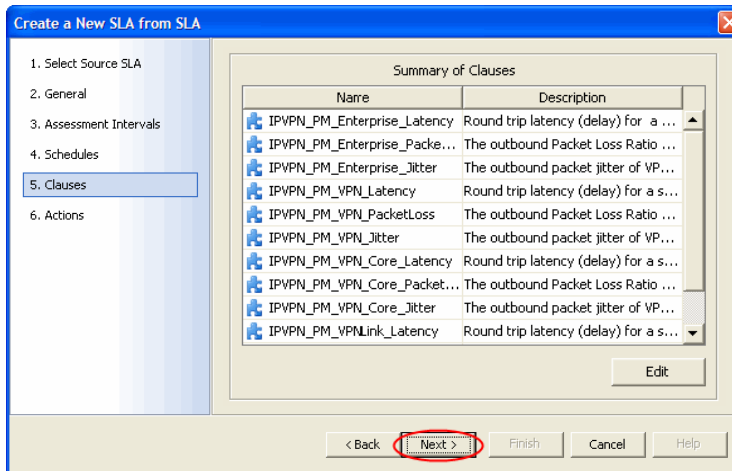
You can add or remove peak, off peak, and standard schedules as needed

Make sure that there is a time period reported. In this example, the time period is 8:00 a.m. to 5:00 p.m. If no time period is shown, click the **Add** button and click the Add Time icon, which is shaped like a clock.

Click **Next** to finish the Schedules section of SLA creation.

You can add or remove peak, off peak and standard schedules as needed.

## Accept clauses



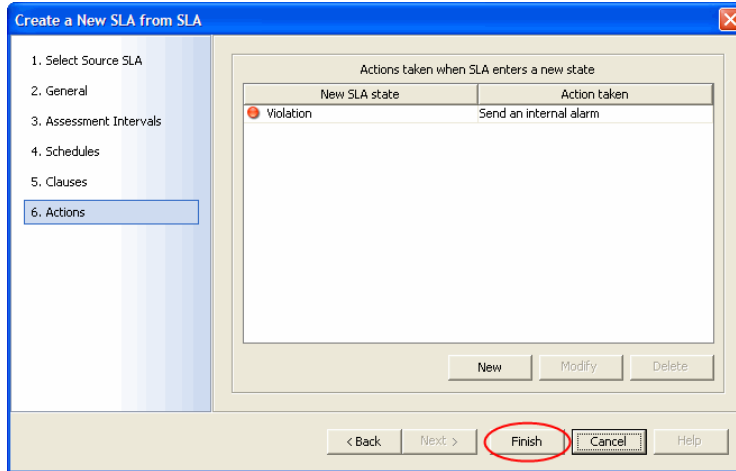
You can edit the clauses by clicking **Edit**

Click **Next** to finish the Clauses section of SLA creation.

You can edit the clauses by clicking **Edit**.

If the model initially chosen is not provisioned, there are no clauses, and you must add the clauses manually.

## Finish creating an SLA from an existing SLA



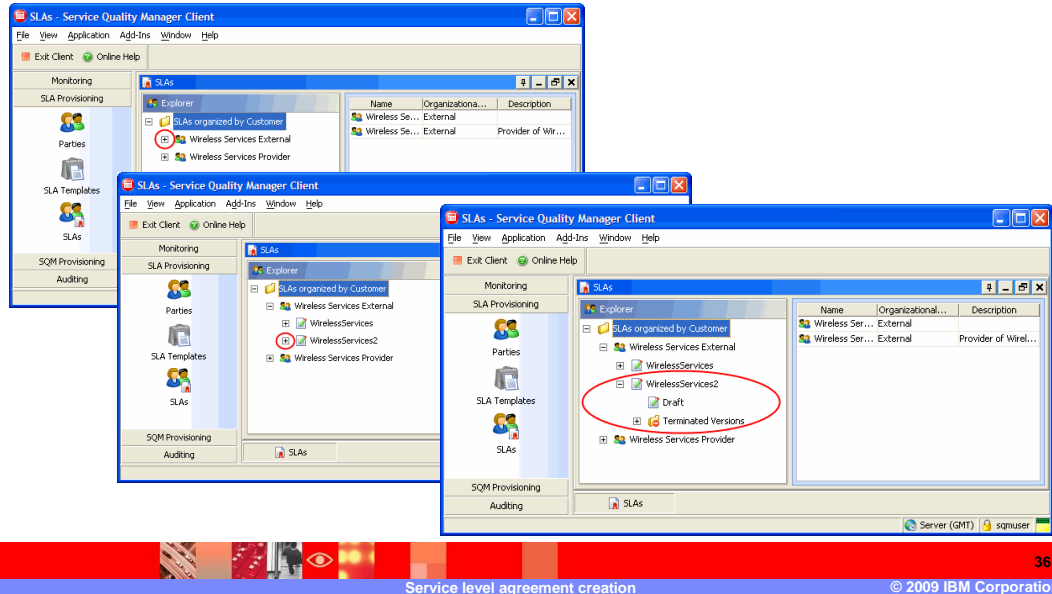
You can add new actions by clicking **New**. You can modify or delete existing actions by highlighting an action and clicking **Modify** or **Delete**.

Click **Finish** to finish the Actions section of SLA creation and create your SLA.

You can add new actions by clicking **New**. You can modify or delete existing actions by highlighting an action and clicking **Modify** or **Delete**.

## View the new SLA

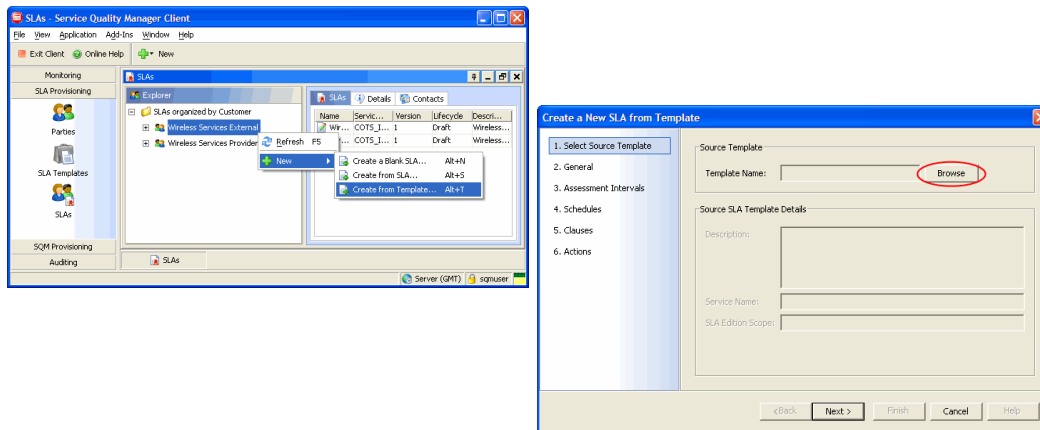
Expand **Wireless Services External** and expand **WirelessServices2** to view the new SLA



Expand **Wireless Services External** and expand **WirelessServices2** to view the new SLA.

## Create an SLA from a template

- Click **Create from Template...**
- Click **Browse** to locate a template for the SLA

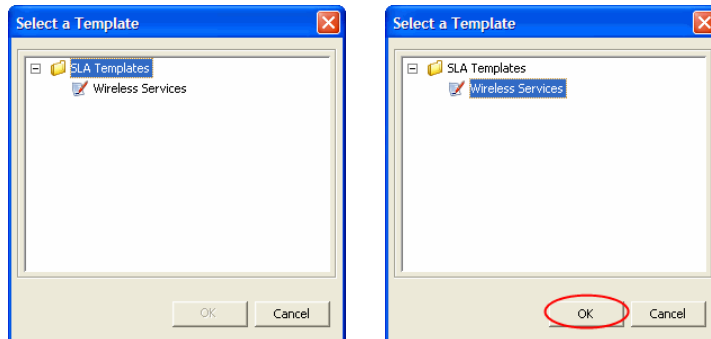


Click **Create from Template...** to create an SLA from a template.

Click **Browse** to locate a template for the SLA.

## Select a source template

- Select the **Wireless Services** template
- Click **OK**



Expand **Wireless Services**. Select the **Wireless Services** template and click **OK**.

## Finish selecting the source template

1. Select Source Template

2. General

3. Assessment Intervals

4. Schedules

5. Clauses

6. Actions

Source Template

Template Name: Wireless Services

Source SLA Template Details

Description: Wireless Services Template

Service Name: COTS\_IPVPN\_PM

SLA Edition Scope: Full Access

< Back **Next >** Finish Cancel Help

Click **Browse** to select another SLA template

Click **Next** to finish the Select Source Template section of SLA creation from a template. You can click **Browse** to select another SLA template.

## Enter a name for the new SLA

1. Select Source Template  
2. General  
3. Assessment Intervals  
4. Schedules  
5. Clauses  
6. Actions

General

Name: WirelessServices3

Service Name: COTS\_IPv4PM\_FM Browse

Description: Wireless Services Template

Roles

Customer: Wireless Services External

Supplier: Browse

< Back Next > Finish Cancel Help

You can change the service name and description as needed

Click **Browse** to locate a service name

You must enter the name of the SLA, for example, **WirelessServices3**.

You can change the service name and description as needed. You can click **Browse** to locate and select a service name from a list.



## Select a supplier

Click **Browse** to locate a supplier

Create a New SLA from Template

1. Select Source Template  
2. General  
3. Assessment Intervals  
4. Schedules  
5. Clauses  
6. Actions

General

Name: WirelessServices3

Service Name: COTS\_IPVPN\_PM Browse

Description: Wireless Services Template

Roles

Customer: Wireless Services External

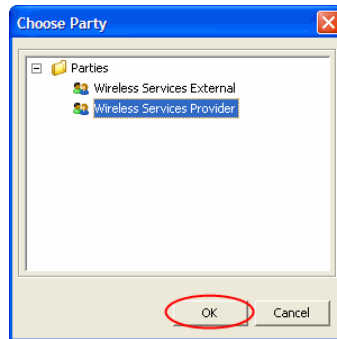
Supplier: Browse

< Back Next > Finish Cancel Help

Click **Browse** to select a supplier from a new window.

## Select a party

Select a Wireless Services Provider party and click **OK**



Select the **Wireless Services Provider** party and click **OK**.

## Finish the general section

The screenshot shows a Windows-style dialog box titled "Create a New SLA from Template". On the left is a vertical list of steps: 1. Select Source Template, 2. General (highlighted), 3. Assessment Intervals, 4. Schedules, 5. Clauses, and 6. Actions. The main area is divided into two sections. The "General" section contains three text boxes: "Name:" with the value "WirelessServices3", "Service Name:" with the value "COTS\_IP4PM\_PM", and "Description:" with the value "Wireless Services Template". There is a "Browse" button next to the Service Name field. The "Roles" section contains two text boxes: "Customer:" with the value "Wireless Services External" and "Supplier:" with the value "Wireless Services Provider". There is a "Browse" button next to the Supplier field. At the bottom of the dialog are five buttons: "< Back", "Next >" (which is circled in red), "Finish", "Cancel", and "Help".

Click **Next** to finish the General section of SLA creation from a template .

## Identify assessment intervals

- Select contractual assessment intervals as needed
- Click **Next**

1. Select Source Template  
2. General  
3. Assessment Intervals  
4. Schedules  
5. Clauses  
6. Actions

☐ Trial  
Start Time: May 27, 2009 00:00 GMT  
End Time: Never  
The Trial Interval must end before the start date of the Contractual Interval if the Contractual Interval is defined.

☒ Contractual  
Start Time: May 27, 2009 00:00 GMT  
End Time: Never

< Back   **Next >**   Finish   Cancel   Help

You can add or remove trial and contractual assessment intervals and change the start and end times as needed.

Select Contractual Assessment Interval as needed.

Click **Next**.

You can add or remove trial and contractual assessment intervals, and change the start and end times as needed.

## Create schedules

The screenshot shows a software window titled "Create a New SLA from Template". On the left is a vertical navigation pane with six items: "1. Select Source Template", "2. General", "3. Assessment Intervals", "4. Schedules" (which is highlighted with a blue bar), "5. Clauses", and "6. Actions". The main area of the window has a tabbed interface with three tabs: "Peak", "Off Peak", and "Standard". The "Peak" tab is currently selected. Inside the "Peak" tab, there is a text area containing the text "including from Monday to Sunday and holidays" and "time from 8:00 AM to 5:00 PM". Below this text area are three buttons: "Add", "Delete", and "Edit". At the bottom of the window, there is a row of five buttons: "< Back", "Next >" (which is circled in red), "Finish", "Cancel", and "Help".

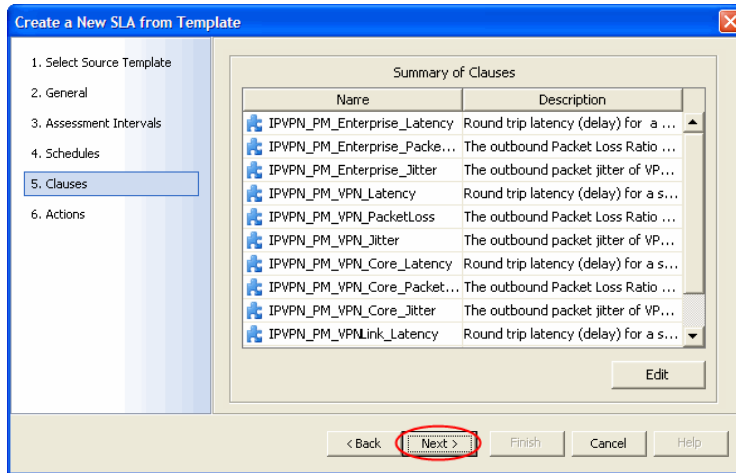
You can add or remove peak, off peak, and standard schedules as needed.

Make sure that there is a time period reported. In this example, the time period is 8:00 a.m. to 5:00 p.m. If no time period is shown, click the **Add** button and click the Add Time icon, which is shaped like a clock.

Click **Next** to finish the Schedules section of SLA creation from a template.

You can add or remove peak, off peak, and standard schedules as needed.

## Accept the clauses



You can edit the clauses by clicking **Edit**

Click **Next** to finish the clause section of SLA creation from a template.

You can edit the clauses by clicking **Edit**.

If the model initially chosen is not provisioned, there are no clauses, and you must add the clauses manually.

## Finish creating an SLA from a template

1. Select Source Template

2. General

3. Assessment Intervals

4. Schedules

5. Clauses

6. Actions

Actions taken when SLA enters a new state

New SLA state	Action taken
---------------	--------------

New Modify Delete

< Back Next > Finish Cancel Help

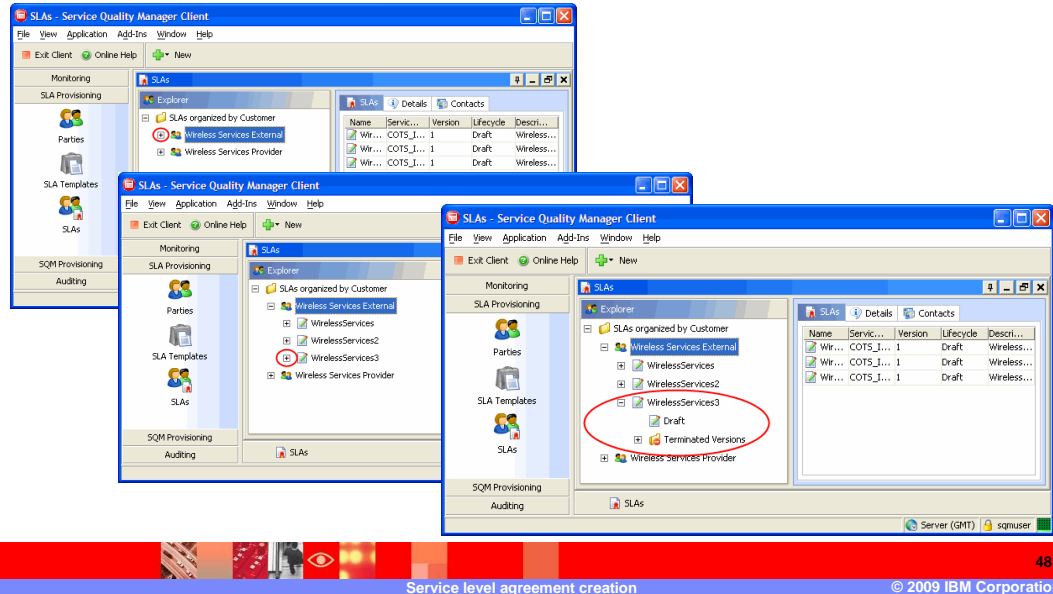
You can add new actions by clicking **New**.

Click **Finish** to finish the Actions section of SLA creation and create your SLA.

You can add new actions by clicking **New**.

## View the new SLA

Expand **Wireless Services External** and expand **WirelessServices3** to view the new SLA



Service level agreement creation

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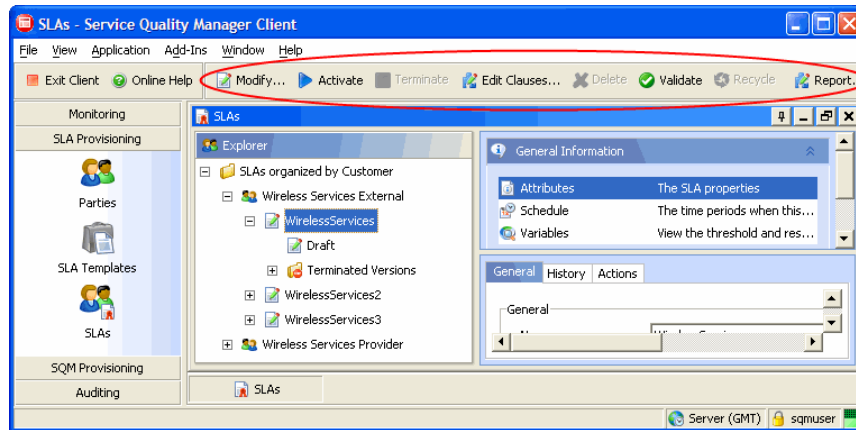
Expand **Wireless Services External** and expand **WirelessServices3** to view the new SLA.



## SLA actions

Highlight an SLA to see actions that you can perform

You can modify, activate, terminate, edit clauses, delete, validate, recycle or generate reports on SLAs depending on the current state of the SLA



Highlight an SLA to see actions that you can perform.

You can modify, activate, terminate, edit clauses, delete, validate, recycle or generate reports on SLAs depending on the current state of the SLA.

## Training roadmap for Netcool Service Quality Manager

[http://www.ibm.com/software/tivoli/education/edu\\_prd.html](http://www.ibm.com/software/tivoli/education/edu_prd.html)



You can see the training roadmap for Netcool Service Quality Manager by going to [http://www.ibm.com/software/tivoli/education/edu\\_prd.html](http://www.ibm.com/software/tivoli/education/edu_prd.html)

## Summary

- You should now be able to:
  - ▶ Create a new service level agreement
  - ▶ Create a service level agreement from an existing service level agreement
  - ▶ Create a service level agreement from a template

You should be able to create a new service level agreement, create a service level agreement from an existing service level agreement and create a service level agreement from a template.

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