



Service Element Profiles

This chapter contains information about creating Service Element profiles for frequently used service elements.

Working with Service Element Profiles

Service element profiles provide you with access to the specific attributes for a Cisco Transport Manager Equipment Module service element. A corresponding Service element profile exists for each service element type that the node supports. Default profiles provide the initial (default) attribute values for the corresponding object class whenever such a new object is created.

For a given service element, more than one profile may be defined. However, for a given object, only one profile may be associated at any one time.

Since profiles themselves are objects that you can create and modify, they provide a means to store and name commonly used sets of attributes and provide a reliable shorthand method of configuring any number of new objects. A profile has most of the same attributes as the corresponding object class. Some attributes of the object class are not included in the profile because they are unique for each object. For example, an object's name is not a profile attribute.

The attributes of a profile are referred to as initial value attributes because they are used to assign the initial values to the corresponding object. Once a new object has been created based on a profile, changes to profile attribute values do not cause any changes to the corresponding object. The only time the profile attributes affect the object is when you create a new object or when you reassign an existing object to the same or different profile.

For the Cisco Transport Manager Equipment Module, you can create service element profiles for the following supported service elements:

- SONET cross connect
- Interworking cross connect
- PDH physical port
- SONET physical port

This section details the generic procedure for creating, modifying, and deleting Service element profiles for this Equipment Module. An inventory of attributes for Optical Logical Port Profiles and their acceptable values can be found in [Appendix A, "Attribute Reference"](#).

If you provide values for these attributes and also provide values in other places when you are creating a service (either during service creation or in a Service object profile) the threader will override the values based on the following scale of priorities:

1. Service object Subset Viewer/Object Viewer—All information provided in the Service object Subset Viewer and Object Viewer is used by CPC.
 2. Service object profile—CPC will only use the information provided in the Service object profile for values that are either not available or not specified in the Service object Subset Viewer.
 3. Service element profile—CPC uses values from the Service element profile for all attributes that are not present or not specified in the Service object profile or on the Service object Subset Viewer.
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Creating a Service Element Profile

To create a Service Element Profile, perform the following procedure.

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- Step 1** Click **networks > Cisco Transport Manager Equipment Module > *specific service element profile*** (under **Profiles**).
 - Step 2** In the Lister view, click the **Create** button on the Action Bar. An Object View will be opened.
 - Step 3** Specify attribute values. Refer to the object attribute tables in Appendix A for specific attribute information. When creating a profile, use the attribute tables for the corresponding service object, since profiles contain a subset of the service object attributes. Profiled attributes are marked with a "P" in the table.
 - Step 4** Save the profile in memory by clicking **save**. To write the profile to the database, click **apply now**.
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Modifying a Service Element Profile

To modify a service element profile, complete the following steps:

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- Step 1** Click **networks > Cisco Transport Manager Equipment Module > *specific service element profile*** (under **Profiles**).
 - Step 2** In the Lister view, click the **Get List** button on the Action Bar. This will list all the available profiles. Click the **Select** box near the profile that you want to modify and click the **Modify** button on the Action Bar. An Object View will be opened.
 - Step 3** Modify attribute values. Refer to the object attribute tables in Appendix A for specific attribute information. When modifying a profile, use the attribute tables for the corresponding service object, since profiles contain a subset of the service object attributes. Profiled attributes are marked with a "P" in the table.
 - Step 4** Save the modified profile in memory by clicking **save**. To write the profile to the database, click **apply now**.
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Deleting a Service Element Profile

To delete a service element profile, complete the following steps:

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- Step 1** Click **networks > Cisco Transport Manager Equipment Module > *specific service element profile*** (under **Profiles**).
 - Step 2** In the Lister view, click the **Get List** button on the Action Bar. This will list all the available profiles. Click the **Select** box near the profile that you want to delete and click the **Delete** button on the Action Bar. An Object View will be opened.
 - Step 3** Click **apply now** to delete the profile.
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