


Configuring Event Handlers

Event handlers are defined by events, condition, priority, and actions. When an event is received, the corresponding event type and condition of the handler are evaluated based on the priority. When a condition is met, the corresponding actions are performed according to the event attributes. The action can update or add event attributes to the events for subsequent processing of the same event. An action invokes a function provided by a processor and must provide the parameters required by that function. After an event handler has completed its processing, event processing continues with the next applicable event handler.

To configure event handlers:

1. In the VTA Configuration Manager navigation pane, select **Edit**.
2. Select **Current Event Handlers**.

A list of configured event handlers appears. For example:



VTA Configuration Manager
Edit Configuration

- Home
- Dir Connection
- Configuration
 - Create
 - Edit
 - Load
 - Commit
 - Import
 - Export

Current Configuration

[Event Handlers](#)
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Quota VTA Events and Handlers


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Event Handler

GetBucket	Delete
RefillBucketWithBehavingRate	Delete
RefillBucketWithMisbehavingRate	Delete
StartBehavingOnUserStart	Delete
StartMisbehavingOnUserStart	Delete
UpdateBehavingUsage	Delete
UpdateMisbehavingUsage	Delete
ToBehaving	Delete
ToMisbehaving	Delete

New Event Handler

Create



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You can create, delete, or modify event handlers.

- To add an event handler, enter a name for the action in the New Event Handler box, and click **Create**.

- To delete an event handler, click **Delete** next to the event handler that you want to delete.
- To modify an event handler, select the event handler that you want to modify.

If you create or modify an event handler, the event handler configuration screen appears. For example:

- ▶ Home
- ▶ Dir Connection
- ▼ Configuration
 - ▶ Create
 - ▶ Edit
 - ▶ Load
 - ▶ Commit
 - ▶ Import
 - ▶ Export

Current Configuration

[Event Handlers](#) [Actions](#) [Processors](#)

Quota VTA Events and Handlers

[Current Event Handlers](#)

Event Handler

GetQuota	Delete
RecordUsage	Delete
SetInterim	Delete
NoQuota	Delete
QuotaRefilled	
Name	Value
Priority ?	333
Events	<div> ACCOUNTUPDATE CALLBACK(TERMINATESESSION) SERVICEINTERIM(QuotaInternet) SERVICEINTERIM(QuotaLocal) SERVICESTART(QuotaInternet) </div>
Condition	<div> var newBalance=<balance_BoughtQuota>+<balance_PeriodicQu if(<old_balance_PeriodicQuota>==null) <old_balance_Perio if(<old_balance_BoughtQuota>==null) <old_balance_BoughtQ return <old_balance_PeriodicQuota>+<old_balance_BoughtQu </div> Disable
Actions ?	<div> <div> Available Actions CalculateInterim CalcUsage DebitAccounts GetAccountBalances SetInterim </div> <div> Add >> << Remove </div> <div> Selected Actions StartQuotaInternetService StartQuotaLocalService </div> </div>
Save	
EndofBilling	Delete
New Event Handler <input type="text"/> Create	

- Related Topics**
- How the SRC-VTA Works
 - Configuring Events
 - Event Handler Fields on page 5
 - Example of a Bucket VTA

Event Handler Fields

In VTA Configuration Manager, you can edit the following fields in the Event Handler screen.

Priority

- Priority for evaluating and running this event handler.
- Value—Integer in the range 1–1000; the smaller number has the higher priority
- Default—No value

Events

- List of events.
- Value—Select from the list of configured events. Use the Ctrl or Shift keys to select multiple events.
- Default—No value

Condition

- Condition that the event handler evaluates to determine whether the event handler should handle the event.
- Value—You can specify the condition as a formula, as a JavaScript program, or as one of the following values returned by the JavaScript program:
 - true—Event handler should handle the event.
 - false—Event handler should not handle the event.
- Guidelines—If no condition is specified, true is returned as the value. If a referenced attribute does not exist in the event, the referenced attribute's value is null.
- Default—true
- Example—The following example is a condition that must be met to refill a quota:

```
var newBalance=<balance_BoughtQuota>+<balance_PeriodicQuota>;
if(<old_balance_PeriodicQuota>==null)
  <old_balance_PeriodicQuota>=<balance_PeriodicQuota>;
if(<old_balance_BoughtQuota>==null)
  <old_balance_BoughtQuota>=<balance_BoughtQuota>;
return
  <old_balance_PeriodicQuota>+<old_balance_BoughtQuota><=0&&newBalance>0;
```

Actions

- Actions that the event handler performs in response to an event.
- Value—Use the Add and Remove buttons to create a list of selected actions. Multiple actions are performed in the order specified in the list.
- Default—No value