

Configuring a Usage Metric for Service Accounts

You configure VTA service accounts in the Database Engine Service section of the Database Engine Processor configuration page. For example:


Database Engine Service

QuotaLocal	<input type="button" value="Delete"/>
QuotaInternet	<input type="button" value="Delete"/>
New Database Engine Service	<input type="text"/>
<input type="button" value="Create"/>	

You can create, delete, or modify accounts:

- To add an account, enter a name for the account in the New Database Engine Service field, and click **Create**.
- To delete an account, click **Delete** next to the account that you want to delete.
- To modify an account, select the account that you want to modify.

If you create or modify an account, the account configuration screen appears.



VTA Configuration Manager
Edit Configuration

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- Configuration
 - Create
 - Edit
 - Load
 - Commit
 - Import
 - Export

Current Configuration


Event Handlers
Actions
Processors

Quota VTA Processors

Database Engine Processor Disable

Database Engine Service

QuotaLocal	Delete
QuotaInternet	
Name	Value
Usage Metric	return <upStreamBytes>+<downSt
Interim Interval	return Math.min(7200,Math.max
Save	
New Database Engine Service <input type="text"/>	
Create	



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SDX_6.3.0_integration
20051214T155729

- Related Topics**
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 - Configuring an Interim Accounting Interval for Service Accounts
 - Viewing Information About the Account
 - Sample Formulas for Usage Metrics for the SRC-VTA

Defining a Formula for Determining Network Resource Usage That the SRC-VTA Evaluates

In the Usage Metric box in the VTA Configuration Manager, you define a formula that determines the use of network resources for a service. Each service in a VTA can use a different formula. You can configure the SRC-VTA software to evaluate this formula for every accounting event it receives from the SAE for each quota service. It can then debit the result from the accounts. Use the variables described in this section to define the formula.

downStreamBytes

- Amount of data that the subscriber downloaded from the network since the last accounting event.
- Value—Number of bytes in the range 0–9223372036854775807

downStreamPackets

- Number of data packets that the subscriber downloaded from the network since the last accounting event.
- Value—Integer in the range 0–9223372036854775807
- Guidelines—Do not use downStreamPackets in a usage formula and maxUsageRate in the interim interval formula for the same service at the same time.

interimTime

- Time since the last accounting event.
- Value—Number of seconds in the range 0–2147483647
- Guidelines—Generally, this value equals the interim accounting interval; however, it may exceed the interim accounting interval if an accounting event is lost. Similarly, the value may be less than the interim accounting interval if a stop event occurs in the middle of an accounting interval.

upStreamBytes

- Amount of data that the subscriber uploaded to the network since the last accounting event.
- Value—Number of bytes in the range 0–9223372036854775807

upStreamPackets

- Number of data packets that the subscriber uploaded to the network since the last accounting event.
- Value—Integer in the range 0–9223372036854775807
- Guidelines—Do not use upStreamPackets in a usage formula and maxUsageRate in the interim interval formula for the same service at the same time.

