

Bandwidth Quota Policy Usage Scenarios for Policy Manager

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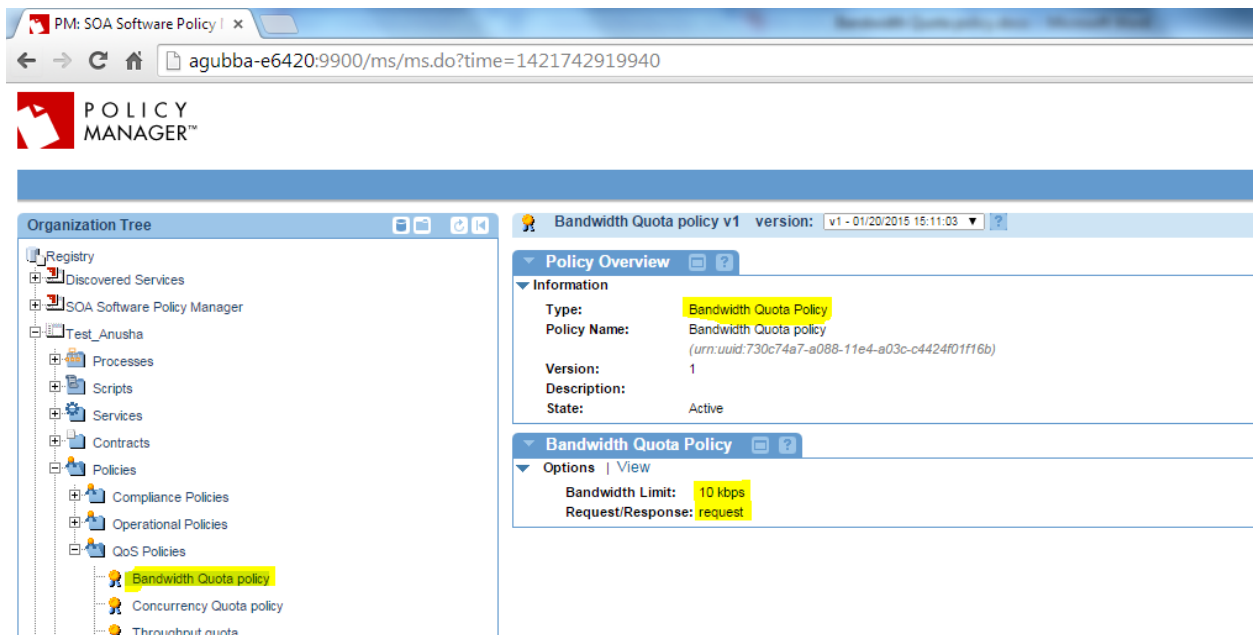
Bandwidth Quota Policy Usage Scenarios (Policy Manager-specific)

This document provides a list of Policy Manager-specific usage scenarios for the *Bandwidth Quota Policy*.

Scenario 1: Throttle Incoming Upload Traffic

Throttle the incoming upload traffic to conform to the specified network speed limit of 10KBPS for given service capabilities.

- 1 Create a physical service in *Policy Manager Management Console* using **Create Physical Service**.
- 2 Provide service details and **Finish** the wizard.
- 3 Using **Virtualize Service**, virtualize and host the physical service on Network Director (**ND1**), and assign a name (e.g., **Vs1**).
- 4 Navigate to *Organization > Policies > QoS Policies* and use **Add Policy** to create a *Bandwidth Quota Policy*.
- 5 Configure the policy configuration as per the use case with 10kbps Bandwidth Limit assigned to request

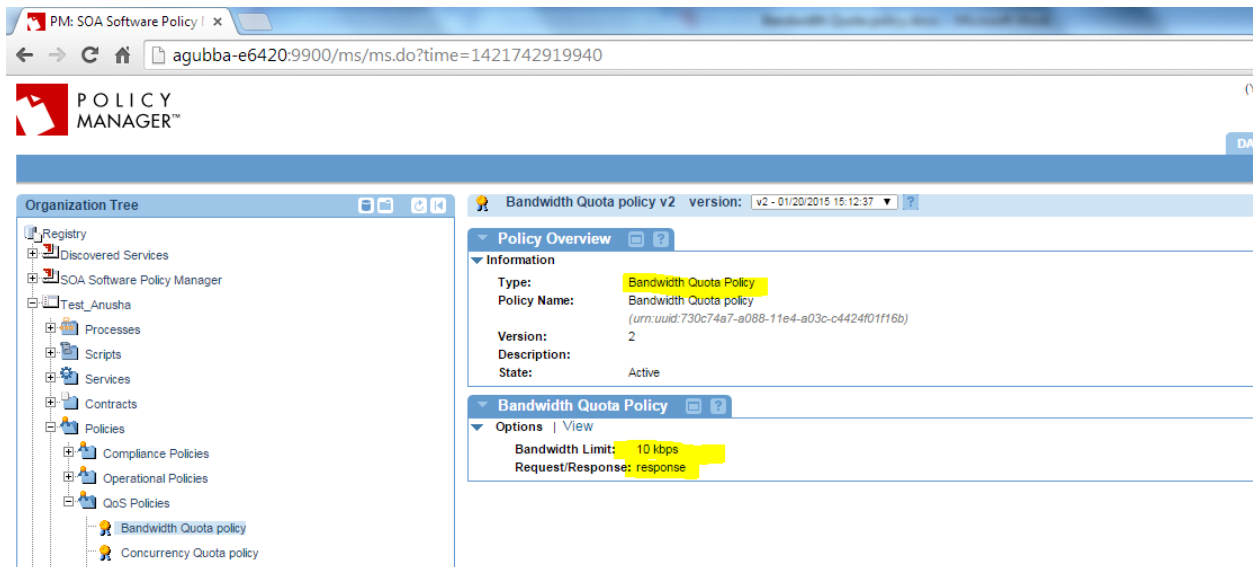


- 6 Activate the policy in the *Policy Workflow* portlet, and attach it to the **Vs1** service in the *Service Details > Policy Attachments > QoS* section.
- 7 Send requests from application/client to the **Vs1** service
 - a) The policy throttles the input such that the upload speed does not exceed 10kbps.
 - b) As a result the requests hit the service at slower rates and the load on the service hosting server is reduced.

Scenario 2: Throttle Outgoing Download Traffic

Throttle the outgoing download traffic to conform to the specified network speed limit of 1KBPS for given service capabilities.

- 1 Create a physical service in *Policy Manager Management Console* using **Create Physical Service**.
- 2 Provide service details and **Finish** the wizard.
- 3 Using **Virtualize Service**, virtualize and host the physical service on Network Director (**ND1**), and assign a name (e.g., **Vs1**).
- 4 Navigate to *Organization > Policies > QoS Policies* and use **Add Policy** to create a *Bandwidth Quota Policy*.
- 5 Configure the policy configuration as per the use case with 1kbps Bandwidth Limit assigned to response.



- 6 Activate the policy in the *Policy Workflow* portlet, and attach it to the **Vs1** service in the *Service Details > Policy Attachments > QoS* section.
- 7 Send requests from application/client to the **Vs1** service.
 - a) The policy throttles the output such that the download speed does not exceed 1kbps.
 - b) As a result the response time can vary high when there is huge load on the service.

Response Diagram

