

# Timeout Policy Usage Scenario for Policy Manager

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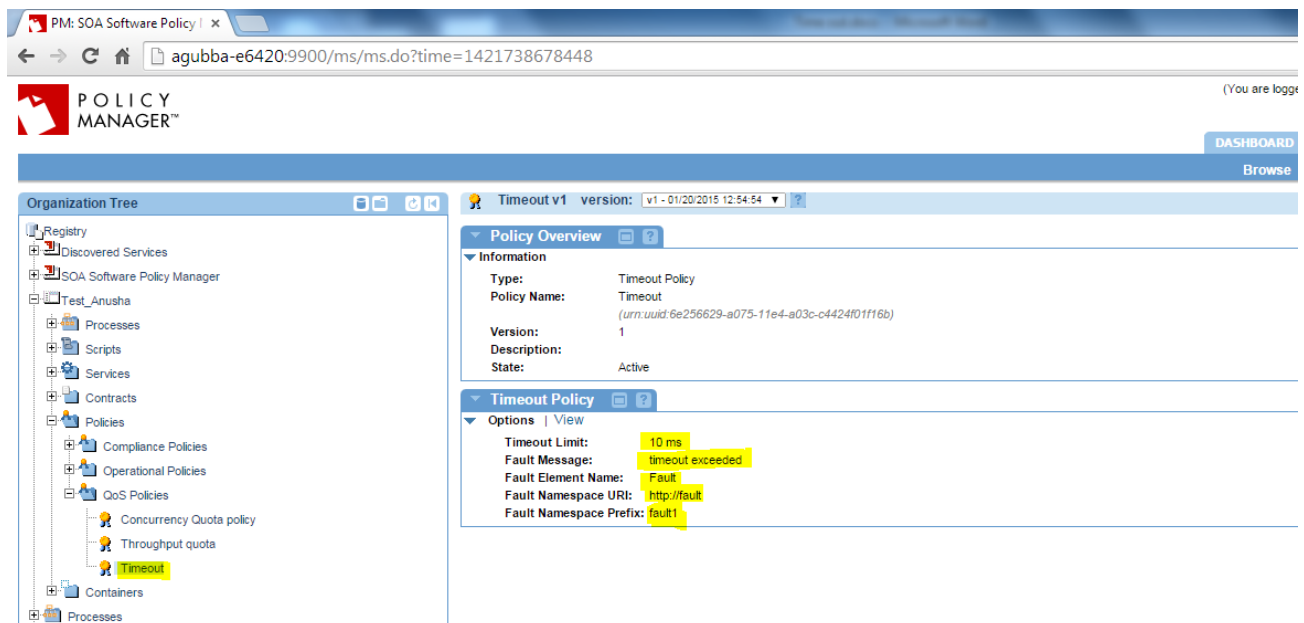
# Timeout Policy Usage Scenario (Policy Manager-specific)

This document provides a list of Policy Manager-specific usage scenario for the *Timeout Policy*.

## Service Response Timeout / Fault Message

Response provided by a service will timeout if the response time crosses 10 milliseconds. Fault message is sent to the application/client.

- 1 Create two physical services in *Policy Manager Management Console* using **Create Physical Service**.
- 2 Provide service details and **Finish** the wizard.
- 3 Using **Virtualize Service**, virtualize each physical service and host on Network Director (**ND1**), and assign a name (e.g., **Vs1**, **Vs2**).
- 4 Navigate to *Organization > Policies > QoS Policies* and use **Add Policy** to create a *Timeout Policy*.
- 5 Configure the *Timeout Policy* as per the use case with 10 millisecond timeout and a custom Fault message.



- 6 Activate the policy in the *Policy Workflow* portlet (PM72 and above), and attach the *Timeout Policy* to the **Vs1** service in the *Service Details > Policy Attachments > QoS Policies* section.
- 7 Send requests from the application/client to **Vs2** service.

- 8 When the response time has exceeded, the Timeout Fault Message will be returned to the service consumer and an alert will be logged at the service level.

The screenshot shows the SOA Software Policy Manager interface. The left pane displays the Organization Tree with the path: Registry > Discovered Services > SOA Software Policy Manager > Test\_Anusha > Services > Rest\_Service > Rest\_Service\_vs1. The right pane shows the details for Rest\_Service\_vs1. The ID Filter section has fields for Id and Code. The Time Range Filter section shows Start Date: 01/19/2015, Start Time: 12:56:57, End Date: 01/20/2015, End Time: 12:56:57. The Severity Filter section has checkboxes for Critical, Major, Minor, Normal, and Clear. The State Filter section has checkboxes for All Unobserved, Observed By, and Resolved By. Below the filters is a table with columns: Del, Obs, Res, Code, Received, Severity, and Description. The table contains one row with a yellow warning icon, a checkbox, a code of 9004, a received time of 01/20/2015 12:56:53, a severity of Critical, and a description of Request timeout.

- 9 The usage logs' details show the error being displayed as configured in the policy.

The screenshot shows the SOA Software Policy Manager interface. The left pane displays the Organization Tree with the path: Registry > Discovered Services > SOA Software Policy Manager > Test\_Anusha > Services > Rest\_Service > Rest\_Service\_vs1. The right pane shows the details for Rest\_Service\_vs1. The Time Range Filter section shows Start Date: 01/19/2015, Start Time: 12:57:32, End Date: 01/20/2015, End Time: 12:57:32. The Content Filter section has fields for User Id, Consumer Id, Contract Key, Client IP, and Operation. The Transaction Filter section has a dropdown for Errors: Transactions (All). Below the filters is a table with columns: Request Date/Time, Operation, Response Time, Contract Name, and Errors. The table contains one row with a request date/time of 01/20/2015 12:56:52.0, an operation of GET /(domainid)/entry/(entryids), a response time of 390 ms, a contract name of sdijn, and an error of Read timed out.

**Note:** The policy can be attached at the Contract/Organization/Service operation level. The behavior would be the same.

**Timeline:**