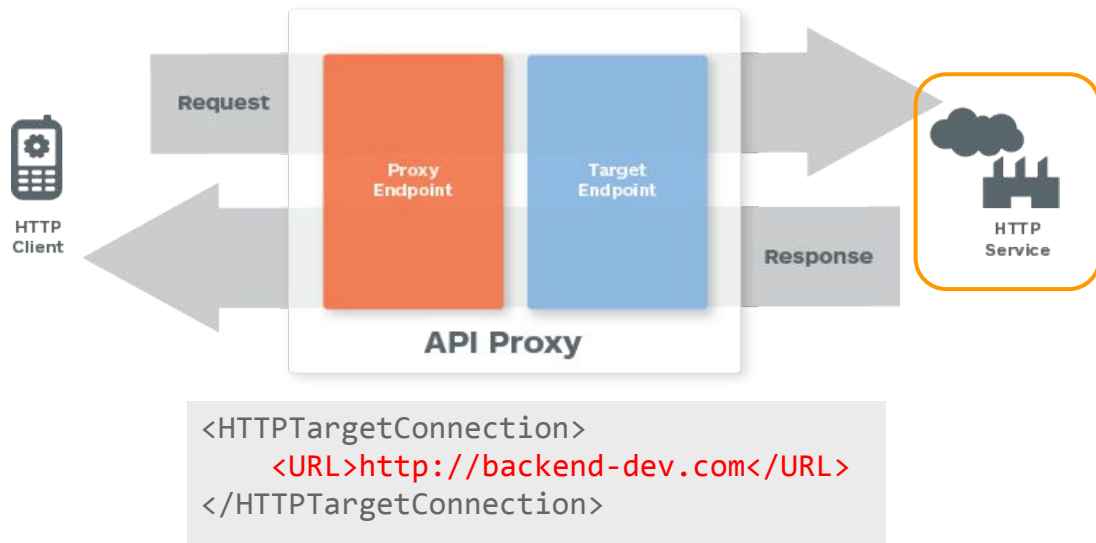




Setting Up Named Target Servers


Existing Target URL



Create a Named Target Server

Environment Configuration **test** ▾


[Caches](#) [Flow Hooks](#) [Key Value Maps](#) [References](#) **Target Servers** [TLS Keystores](#) [Virtual Hosts](#)

 Edit

NAME	HOST	PORT	ENABLED
TS1	somehost-dev.com	80	✓

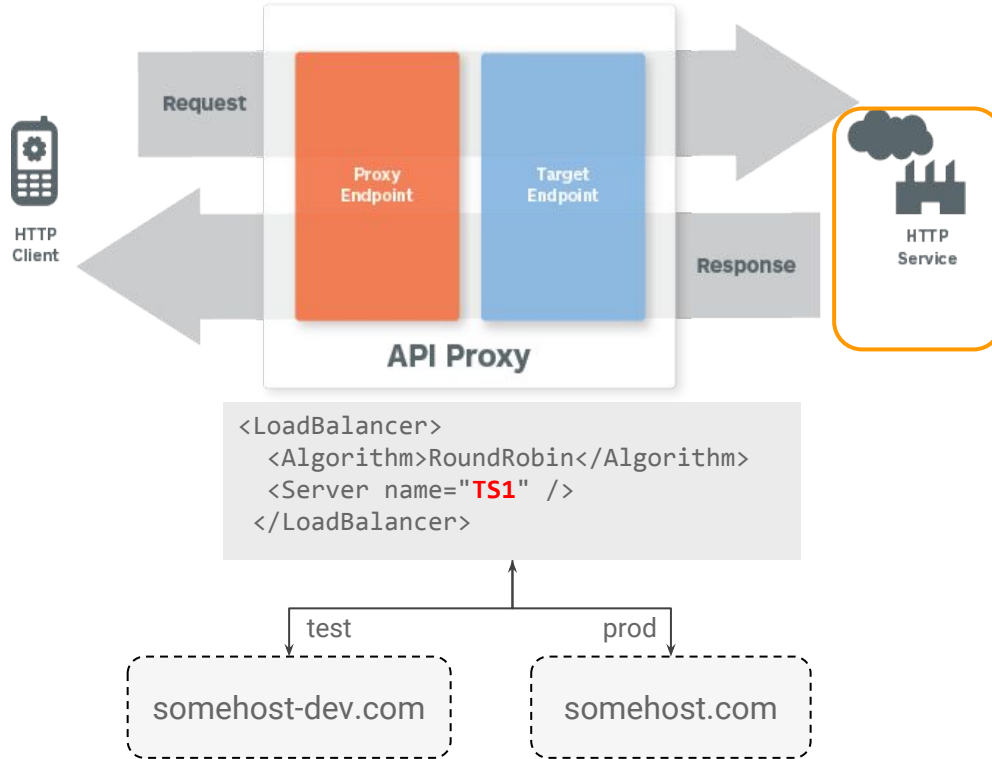
Environment Configuration **prod** ▾

[Caches](#) [Flow Hooks](#) [Key Value Maps](#) [References](#) **Target Servers** [TLS Keystores](#) [Virtual Hosts](#)

 Edit

NAME	HOST	PORT	ENABLED
TS1	somehost.com	80	✓

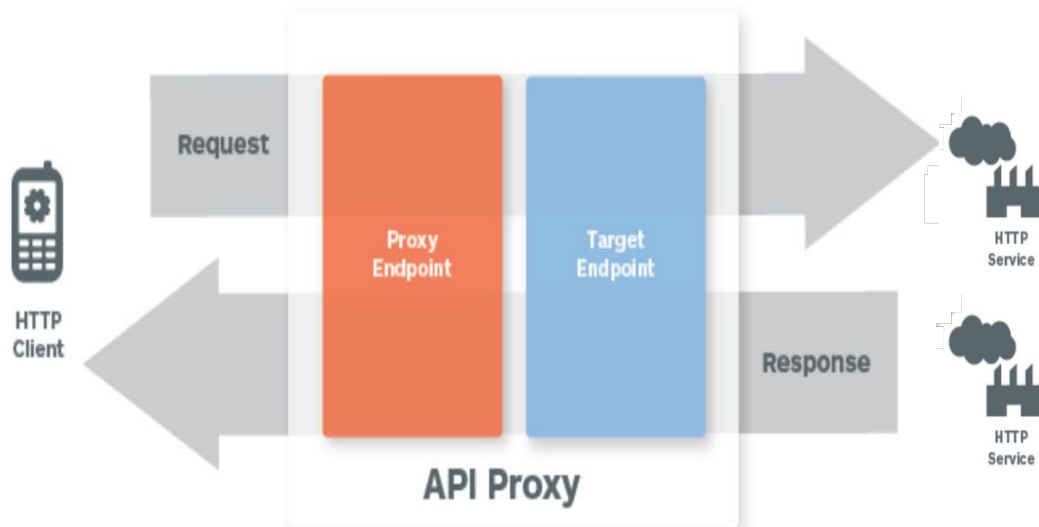
Target Server



Target Server with SSL

```
<TargetServer name="TS2">
  <IsEnabled>true</IsEnabled>
  <Host>somehost-dev.com</Host>
  <Port>443</Port>
  <SSLInfo>
    <Ciphers/>
    <ClientAuthEnabled>true</ClientAuthEnabled>
    <Enabled>true</Enabled>
    <IgnoreValidationErrors>false</IgnoreValidationErrors>
    <KeyAlias>keystore-alias</KeyAlias>
    <KeyStore>keystore-name</KeyStore>
    <Protocols/>
    <TrustStore>truststore-name</TrustStore>
  </SSLInfo>
</TargetServer>
```

Multiple Target Servers



Load Balancer

Algorithms:

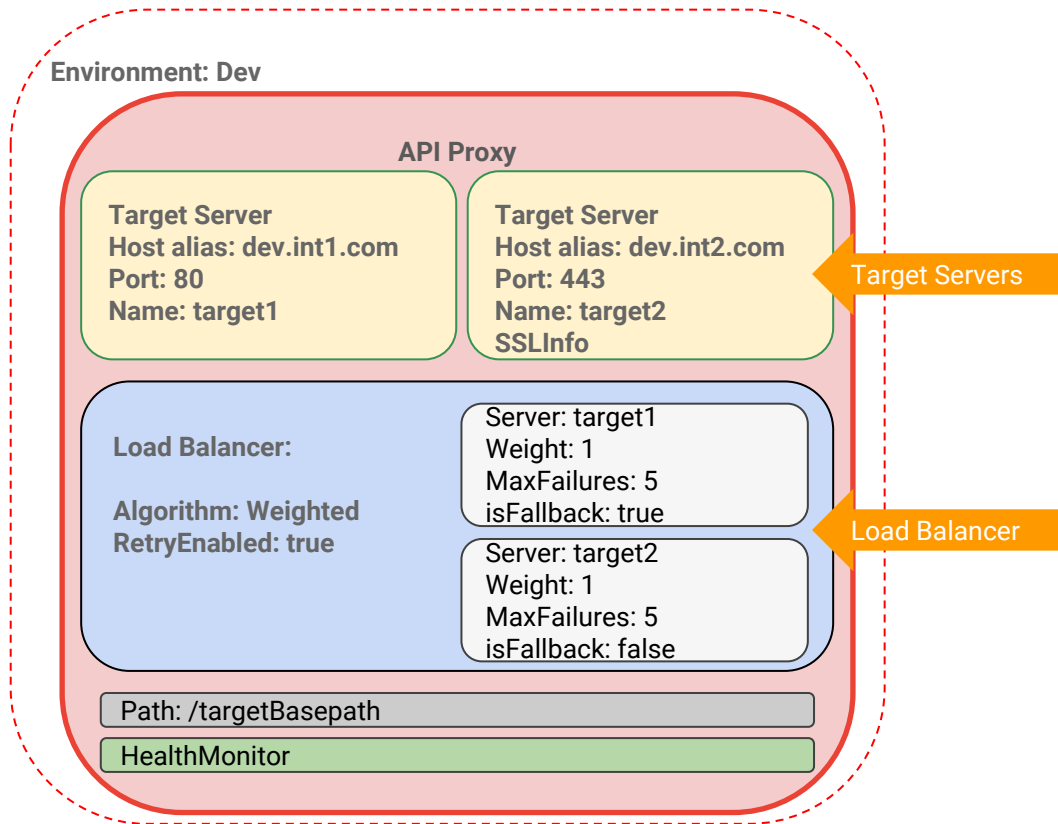
- RoundRobin
- Weighted
- LeastConnections

Load Balancer

Other Configuration:

- MaxFailures
 - maximum number of failed requests before redirecting to another target server
- RetryEnabled
 - retry after an I/O error
- IsFallback
 - if all others are unavailable, then use fallback server

Load Balancer



Load Balancer

Round Robin / Least Connections

```
<TargetEndpoint name="default">
  <HTTPTargetConnection>
    <LoadBalancer>
      <Algorithm>RoundRobin</Algorithm>
      <Server name="target1" />
      <Server name="target2" />
    </LoadBalancer>
    <Path>/test</Path>
  </HTTPTargetConnection>
</TargetEndpoint>
```

```
<TargetEndpoint name="default">
  <HTTPTargetConnection>
    <LoadBalancer>
      <Algorithm>LeastConnections</Algorithm>
      <Server name="target1" />
      <Server name="target2" />
    </LoadBalancer>
    <Path>/test</Path>
  </HTTPTargetConnection>
</TargetEndpoint>
```

Load Balancer

Weighted

```
<TargetEndpoint name="default">
  <HTTPTargetConnection>
    <LoadBalancer>
      <Algorithm>Weighted</Algorithm>
      <Server name="target1">
        <Weight>1</Weight>
      </Server>
      <Server name="target2">
        <Weight>2</Weight>
      </Server>
    </LoadBalancer>
    <Path>/test</Path>
  </HTTPTargetConnection>
</TargetEndpoint>
```

Health Monitor

Health Monitor

IsEnabled: true
IntervalInSec: 5

Health Monitor

Health Monitor

IsEnabled: true
IntervalInSec: 5

TCP Monitor

ConnectTimeoutInSec: 1
Port: 80

Health Monitor

Health Monitor

IsEnabled: true
IntervalInSec: 5

TCP Monitor

ConnectTimeoutInSec: 1
Port: 80

HTTP Monitor

Request:

ConnectionTimeoutInSec: 1
SocketReadTimeoutInSec: 1
Port: 80
Verb: GET
Path: /monitor
Header:
 Authorization: Basic ***
Payload:

Successful Response:

Status Code: 200
Headers:
 iamok: OK
Payload:

Health Monitor - HTTPMonitor

```
<HealthMonitor>
  <IsEnabled>true</IsEnabled>
  <IntervalInSec>5</IntervalInSec>
  <HTTPMonitor>
    <Request>
      <ConnectTimeoutInSec>10</ConnectTimeoutInSec>
      <SocketReadTimeoutInSec>30</SocketReadTimeoutInSec>
      <Port>80</Port>
      <Verb>GET</Verb>
      <Path>/healthcheck</Path>
      <Header name="Authorization">Basic ****</Header>
    </Request>
    <SuccessResponse>
      <ResponseCode>200</ResponseCode>
      <Header name="ImOK">YourOK</Header>
    </SuccessResponse>
  </HTTPMonitor>
</HealthMonitor>
```

Health Monitor - TCPMonitor

```
<HealthMonitor>  
  <IsEnabled>true</IsEnabled>  
  <IntervalInSec>5</IntervalInSec>  
  <TCPMonitor>  
    <ConnectTimeoutInSec>10</ConnectTimeoutInSec>  
    <Port>80</Port>  
  </TCPMonitor>  
</HealthMonitor>
```




Thank You