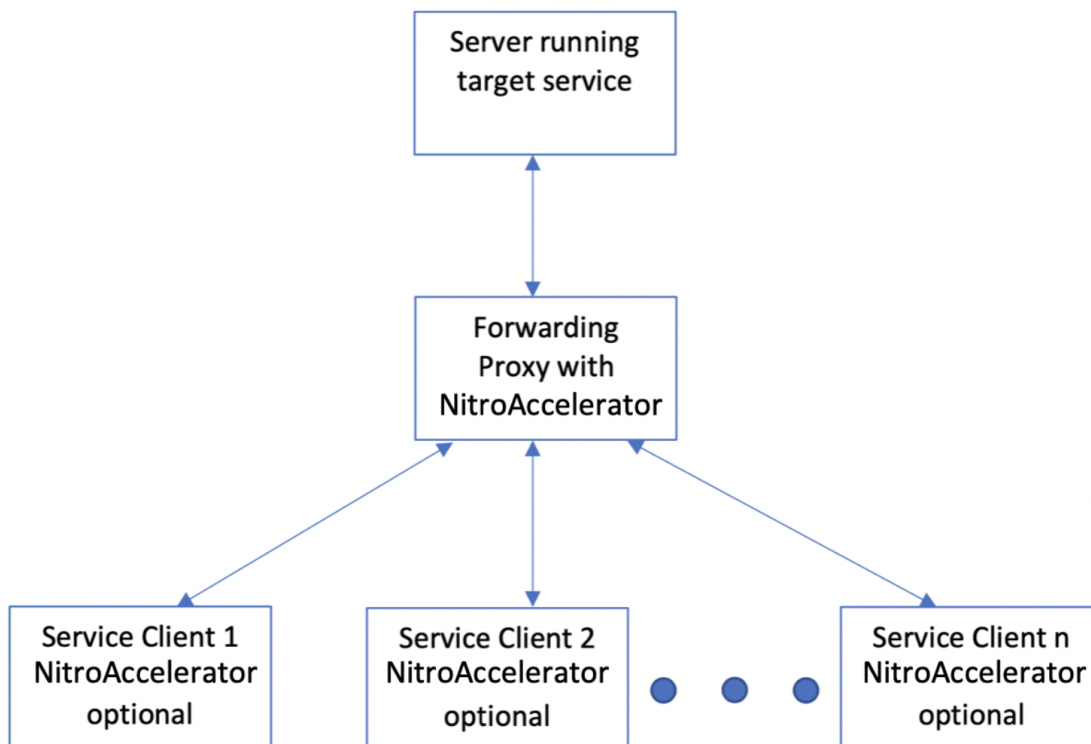


Proxy Setup for Use with NitroAccelerator

The basic architecture that this document outlines is shown in the image below. Fundamentally, this architecture supports environments with a service such as SQL Server where you cannot install NitroAccelerator on the host; for example, when a database is delivered as a service, or in the case of a service running on an OS that we don't directly support.

This setup is currently in use by Nitrosphere customers to accelerate Linux endpoints. It has not yet been tested with Azure SQL DB as the Server running target service. Azure SQL DB requires TLS acceleration = A feature that was recently added in April 2022. (NitroAccelerator version 7.0.86.0 or later)

If you would like to implement or participate in a proof of concept, please contact: josh@nitrosphere.com



Steps to set up NitroAccelerator as a proxy:

Configure Windows Proxy Server on Azure

- Set up a Windows VM preferably co-located with the service you are accelerating. Any Windows OS should do, but these instructions were tested using Windows Server 2016.
- Connect to the VM through remote desktop and add an inbound rule for the port associated with the protocol you are accelerating. For example, set port 1433 for the SQL Server TDS protocol.

Service Client n NitroAccelerator optional

- In the Azure portal for your VM, select Network Interfaces and select the interface you configured for your VM. Then click on the network security group on the overview page. On the network security group page, add an inbound rule for TCP port from the previous step (1433 in this example).
- Add a port forwarding rule that forwards the port from the previous steps. The rule will forward the port on the VM to the port on the target server which, for this example, is a SQL Server instance. Be sure to replace 10.0.1.4 with your VM's local internal address and 54.188.141.178 with your target service IP address (can be internal or external as needed). Also, if not SQL Server, specify the appropriate listen and connect ports:

```
netsh interface portproxy add v4tov4 listenport=1433  
listenaddress=10.0.1.4 connectport=1433 connectaddress=54.188.141.178
```

- Install NitroAccelerator on the new proxy VM. If the proxy is for SQL Server, be sure to change the protocol settings to identify by Port instead of Intelligent Detection. This setting is in the “Protocol Settings” dialog in the NitroAccelerator console.

Configure Clients

- Install NitroAccelerator on the systems that access the service you are accelerating. For SQL Server, you also need to identify by Port instead of Intelligent Detection on the clients.
- Change the client applications to connect to the proxy server instead of the actual SQL Server.