# **suUse Apache HTTP Server As Reverse-Proxy Using mod\_proxy Extension**

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## Apache Working As A Reverse-Proxy Using mod\_proxy

mod*proxy is the Apache module for redirecting connections (i.e. a gateway, passing them through). It is enabled for use just like any other module and configuration is pretty basic (or standard), in line with others. mod*proxy is not just a single module but a collection of them, with each bringing a new set of functionality.

Some of these modules are:

* mod\_proxy
* mod*proxy*http
* mod*proxy*ftp
* mod*proxy*connect
* mod*proxy*ajp
* mod*proxy*wstunnel
* mod*proxy*balancer
* mod\_cache
* mod\_headers
* mod\_deflate

## Installing Apache And mod\_proxy

### Updating The Operating-System

apt-get update  
apt-get -y upgrade

### Getting The Essential Build Tools

apt-get install -y build-essential

### Getting The Modules And Dependencies

apt-get install -y libapache2-mod-proxy-html libxml2-dev

## Configuring Apache To Proxy Connections

### Activating The Modules

$a2enmod

The list of modules:

proxy proxy\_ajp proxy\_http rewrite deflate headers proxy\_balancer proxy\_connect proxy\_html

### Modifying The Default Configuration

<VirtualHost \*:\*>  
 ProxyPreserveHost On  
  
 # Servers to proxy the connection, or;  
 # List of application servers:  
 # Usage:  
 # ProxyPass / http://[IP Addr.]:[port]/  
 # ProxyPassReverse / http://[IP Addr.]:[port]/  
 # Example:   
 ProxyPass / http://0.0.0.0:8080/  
 ProxyPassReverse / http://0.0.0.0:8080/  
  
 ServerName localhost  
</VirtualHost>