**Drupal – http to https**

**Revision History**

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| --- | --- | --- | --- |
| **Author** | **Date** | **Version** | **Description** |
| ViSolve | August 16, 2012 | 0.1 | **Initial revision** |

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1. Purpose

Purpose of the document is to provide steps to change the Drupal site from http to https.

1. Requirements

* mod\_ssl : ssl module to be accessed by apache.

1. Steps

Download all the rpm mentioned in this document from dropbox.

1. Install the ssl module using the steps below along with its dependencies.

# rpm -ivh distcache-1.4.5-14.1.x86\_64.rpm

# rpm -ivh mod\_ssl-2.2.3-65.el5.centos.x86\_64.rpm

1. Create a openssl key and certificate to be accessed by ssl. It can be created as follows.

2.1 Open the httpd directory

# cd /etc/httpd

2.2 Create a directory called ssl inside the httpd directory in which the key and certificate has to be stored.

# mkdir ssl

# cd ssl

2.3 Create a directory called key which stores the key file inside ssl directory

# mkdir key

2.4 Create a directory called crt which stores the crt file inside ssl directory

# mkdir crt

2.5 Go back to the httpd directory

# cd /etc/httpd

2.6 Create the key using following command

|  |
| --- |
| # openssl req -new -x509 -days 365 -keyout ssl/key/drupal.key -out ssl/crt/drupal.crt -nodes |

The above command will create a key called drupal.key and a crt file called drupal.crt inside the specified directory

1. Write the ssl configuration in the httpd.conf file under the already existing drupal configuration.

SSLEngine onSSLCertificateFile /etc/httpd/ssl/crt/drupal.crtSSLCertificateKeyFile /etc/httpd/ssl/key/drupal.key

**Sample Configuration**

|  |
| --- |
| Listen 2020  <VirtualHost \*:2020>  DocumentRoot "/var/www/html/drupal"  <Directory "/var/www/html/drupal">  DirectoryIndex index.html index.htm index.php  Options Indexes FollowSymLinks  AllowOverride All  Order allow,deny  Allow from all  Options +ExecCGI  AddHandler cgi-script cgi pl  </Directory>  SSLEngine on  SSLCertificateFile /etc/httpd/ssl/crt/drupal.crt  SSLCertificateKeyFile /etc/httpd/ssl/key/drupal.key  </VirtualHost> |

1. Restart the apache server

# service httpd restart

5. Access the drupal site using https protocol

https://<IP address>:port [specified in configuration]

Sample link: <https://111.11.1.11:2020>

**Note:**

The ssl key and certificate can be created in any directory. Give the corresponding link in the httpd.conf file.