```
<VirtualHost 192.168.167.241:80>
ServerName cloud.pronto.de
ServerAlias
DocumentRoot /home/cloud.pronto.de/owncloud/
ServerAdmin prontos@email.de
CustomLog /var/log/apache2/cloud.pronto.de-access.log combined
ErrorLog /var/log/apache2/cloud.pronto.de-error.log
LogLevel warn
</VirtualHost>
<VirtualHost 192.168.167.241:443>
        ServerAdmin webmaster@localhost
        ServerName cloud.kastner.de
       DocumentRoot /home/cloud.pronto.de/owncloud/
       <Directory />
               Options FollowSymLinks
               AllowOverride None
       </Directory>
       <Directory /var/www/>
               Options Indexes FollowSymLinks MultiViews
               AllowOverride None
               Order allow, deny
               allow from all
       </Directory>
       ScriptAlias /cgi-bin/ /usr/lib/cgi-bin/
       <Directory "/usr/lib/cgi-bin">
               AllowOverride None
               Options +ExecCGI -MultiViews +SymLinksIfOwnerMatch
               Order allow, deny
               Allow from all
       </Directory>
       ErrorLog ${APACHE_LOG_DIR}/ssl_cloud.pronto.de-error.log
       # Possible values include: debug, info, notice, warn, error, crit,
       # alert, emerg.
LogLevel warn
       CustomLog ${APACHE_LOG_DIR}/ssl_cloud.pronto.de-error.log combined
           SSL Engine Switch:
           Enable/Disable SSL for this virtual host.
       SSLEngine on
       #
           A self-signed (snakeoil) certificate can be created by installing
           the ssl-cert package. See
       #
           /usr/share/doc/apache2.2-common/README.Debian.gz for more info.
       #
           If both key and certificate are stored in the same file, only the
           SSLCertificateFile directive is needed.
       SSLCertificateFile
                               /etc/ssl/cloud.cer
       SSLCertificateKeyFile /etc/ssl/cloud.key
       #
            Server Certificate Chain:
           Point SSLCertificateChainFile at a file containing the
       #
           concatenation of PEM encoded CA certificates which form the
           certificate chain for the server certificate. Alternatively
       #
       #
           the referenced file can be the same as SSLCertificateFile
       #
           when the CA certificates are directly appended to the server
            certificate for convinience.
       #SSLCertificateChainFile /etc/apache2/ssl.crt/server-ca.crt
            Certificate Authority (CA):
           Set the CA certificate verification path where to find CA
            certificates for client authentication or alternatively one
       #
       #
           huge file containing all of them (file must be PEM encoded)
           Note: Inside SSLCACertificatePath you need hash symlinks
to point to the certificate files. Use the provided
       #
       #
                  Makefile to update the hash symlinks after changes.
       #SSLCACertificatePath /etc/ssl/certs/
       #SSLCACertificateFile /etc/apache2/ssl.crt/ca-bundle.crt
            Certificate Revocation Lists (CRL):
           Set the CA revocation path where to find CA CRLs for client
            authentication or alternatively one huge file containing all
       #
           of them (file must be PEM encoded)
           Note: Inside SSLCARevocationPath you need hash symlinks
to point to the certificate files. Use the provided
       #
```

```
Makefile to update the hash symlinks after changes.
#SSLCARevocationPath /etc/apache2/ssl.crl/
#SSLCARevocationFile /etc/apache2/ssl.crl/ca-bundle.crl
    Client Authentication (Type):
#
    Client certificate verification type and depth. Types are
    none, optional, require and optional_no_ca. Depth is a
#
    number which specifies how deeply to verify the certificate
#
    issuer chain before deciding the certificate is not valid.
#SSLVerifyClient require
#SSLVerifyDepth 10
    Access Control:
#
#
    With SSLRequire you can do per-directory access control based
#
    on arbitrary complex boolean expressions containing server
    variable checks and other lookup directives. The syntax is a
#
    mixture between C and Perl. See the mod ssl documentation
    for more details.
#<Location />
                  %{SSL_CIPHER} !~ m/^(EXP|NULL)/ \
#SSLRequire (
              and \{SSL\_CLIENT\_S\_DN\_O\} eq "Snake Oil, Ltd." \
             and {SSL_CLIENT_S_DN_OU} in {"staff", "CA", "Dev"} and {TIME_WDAY} >= 1 and {TIME_WDAY} <= 5 \
#
#
             and %{TIME_HOUR} >= 8 and %{TIME_HOUR} <= 20
#
                                                                    ) \
            or %{REMOTE_ADDR} =~ m/^192\.76\.162\.[0-9]+$/
#</Location>
#
    SSL Engine Options:
    Set various options for the SSL engine.
#
    o FakeBasicAuth:
      Translate the client X.509 into a Basic Authorisation. This means that
#
      the standard Auth/DBMAuth methods can be used for access control. The
      user name is the `one line' version of the client's X.509 certificate.
#
#
      Note that no password is obtained from the user. Every entry in the user
#
      file needs this password: `xxj31ZMTZzkVA'.
#
    o ExportCertData:
#
      This exports two additional environment variables: SSL CLIENT CERT and
#
      SSL SERVER CERT. These contain the PEM-encoded certificates of the
      server (always existing) and the client (only existing when client
authentication is used). This can be used to import the certificates
#
#
#
      into CGI scripts.
#
    o StdEnvVars:
#
      This exports the standard SSL/TLS related `SSL *' environment variables.
      Per default this exportation is switched off for performance reasons,
#
#
      because the extraction step is an expensive operation and is usually
#
      useless for serving static content. So one usually enables the exportation for CGI and SSI requests only.
#
#
    o StrictRequire:
      This denies access when "SSLRequireSSL" or "SSLRequire" applied even
#
      under a "Satisfy any" situation, i.e. when it applies access is denied
#
#
      and no other module can change it.
    o OptRenegotiate:
      This enables optimized SSL connection renegotiation handling when SSL
      directives are used in per-directory context.
#SSLOptions +FakeBasicAuth +ExportCertData +StrictRequire
<FilesMatch "\.(cgi|shtml|phtml|php)$">
       SSLOptions +StdEnvVars
</FilesMatch>
<Directory /usr/lib/cgi-bin>
       SSLOptions +StdEnvVars
</Directory>
    SSL Protocol Adjustments:
    The safe and default but still SSL/TLS standard compliant shutdown
#
    approach is that mod_ssl sends the close notify alert but doesn't wait for
    the close notify alert from client. When you need a different shutdown
#
    approach you can use one of the following variables:
#
#
    o ssl-unclean-shutdown:
#
      This forces an unclean shutdown when the connection is closed, i.e. no
#
      SSL close notify alert is send or allowed to received. This violates
#
      the SSL/TLS standard but is needed for some brain-dead browsers. Use
#
      this when you receive I/O errors because of the standard approach where
      mod_ssl sends the close notify alert.
#
#
    o ssl-accurate-shutdown:
      This forces an accurate shutdown when the connection is closed, i.e. a
#
#
      SSL close notify alert is send and mod_ssl waits for the close notify
#
      alert of the client. This is 100% SSL/TLS standard compliant, but in
#
      practice often causes hanging connections with brain-dead browsers. Use
      this only for browsers where you know that their SSL implementation
#
      works correctly.
```

</VirtualHost>