

# IBM i Apache HTTP - Server Authentication using IBM i user profiles

IBM HTTP Server for IBM i includes the IBM HTTP Server (powered by Apache).

The IBM HTTP Server for IBM i includes a rich collection of enhancements and features for a secure connection and a rich set of security features and services that pertain to the goals of authentication, authorization, integrity, confidentiality, and auditing.

## Authentication using IBM i OS user profiles

IBM i OS user profiles can be used for authentication. The advantage of this implementation is that it does not require you to perform additional configuration steps or to maintain a separate user database.

User profiles with limited capabilities and no sign on access, and \*SECOFR class users (although this practice is highly discouraged), can be used for this purpose.

Users with limited capabilities may require additional permissions settings:

[Grant IBM i user profiles permissions to access PHP when using Basic Authentication](#)

### IBM HTTP

The easiest way to manage the IBM HTTP Apache is through IBM Web Administration for IBM i also known as \*ADMIN server running on port 2001. (IBMi\_Server\_IP:2001)

## IBM HTTP Server Configuration (httpd.conf)

### httpd.conf

```
#
Listen *:10090
DocumentRoot /www/zendphp7/htdocs
NameVirtualHost 10.1.1.47:10090
<VirtualHost 10.1.1.47:10090>
    ServerName ZendVH.com
    DocumentRoot /www/zendphp7/htdocs
    <Directory /www/zendphp7/htdocs>
        Order Allow,Deny
        Allow From all
    </Directory>
</Location />
ProfileToken On
AuthType Basic
AuthName "IBM i OS User Profile"
Require valid-user
PasswdFile %%SYSTEM%%
order deny,allow
Allow from all
</Location>
</VirtualHost
```



Access validation through IBM i OS user profiles is the simplest and under certain circumstances, least secure way to restrict access to your data.

While acceptable in non-critical environments, we do not recommend this kind of authentication alone on public networks such as the Internet, where its simple Base64 encoding and the use of actual user profiles and passwords can compromise the security of your system. A good choice for protecting your data is to use data encryption with SSL and TLS.

IBM HTTP Server for IBM i secure connection relaying on the system user profiles feature and a Web Administration for IBM i OS that provides a full function GUI interface for configuring and managing many Web technologies, With IBM HTTP Server for i you can quickly and easily establish a Web presence and get started on the road to working the Web for business.

## Related articles

[IBM HTTP Server](#)

[Getting started with the IBM Web Administration for i interface](#)

[Setting up virtual hosts on HTTP Server](#)

- [Reset the zsd.db database on IBM i for Zend Server Daemon issues](#)
- [Commands to start and stop Zend Server for IBM i in a batch program or from the command line](#)
- [Prevent or Enable Automatic Start up of Zend Server on IBM i](#)
- [Use Zend Framework SMTP Transport instead of mail\(\) on IBM i](#)
- [Set error\\_reporting to control error reporting levels in the php.log file](#)