

# IBMi Apache HTTP - Zend Server http.conf "include" directive error

## Problem

Trying to configure the Zend Server for IBM i, http.conf ZENDSVR6 instance, but the IBM Web GUI will not allow "Save Changes" because of errors with a few include directives.

The default httpd.conf file distributed with Zend Server for IBM i, contain a few "Include" directives with wildcard, that has no .conf files to match at install time.

## Solution

The Include directive `/usr/local/zendsvr6/etc/sites.d/globals-*.conf`  
Can be commented out, it is included for compatibility with previous Zend Server versions.

The include directive `/usr/local/zendsvr6/etc/sites.d/vhost_*.conf`  
Can be commented as well until you start using the deployment option that will create the matching .conf files.

### httpd.conf

Please comment out the Include directives with a '#'.  
In the configuration file `/www/zendsvr6/conf/httpd.conf`, which can be edited from within the IBM Web Admin (Tools -> Edit Configuration File), find these two lines (near the end of the file);

```
Include /usr/local/zendsvr6/etc/sites.d/globals-.conf
Include /usr/local/zendsvr6/etc/sites.d/vhost_.conf
```

Insert the '#' in front of each line to comment it out:

```
# Include /usr/local/zendsvr6/etc/sites.d/globals-.conf
# Include /usr/local/zendsvr6/etc/sites.d/vhost_.conf
```



### Information

Apache version 2.4 The `IncludeOptional` directive allows inclusion of other configuration files from other server configuration files. It works identically to the `Include` directive, with the exception that if wildcards do not match any file or directory, the `IncludeOptional` directive will be silently ignored instead of causing an error.



### Note

This change can affect customers upgrading from earlier versions:  
[After upgrading to IBM i 7.2 or higher, the ZENDSVR6 Apache instance will not start](#)

## Related articles

Explore the following information on Zend Server virtual host and deployment:

[Working with Virtual Hosts](#)

[Deployment](#)

[After upgrading to IBM i 7.2 or higher, the ZENDSVR6 Apache instance will not start](#)

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- [Correct the fastcgi.conf file - Define the correct "active" php.ini file and correct the INSTALLATION\\_UID \(replace TIMESTAMP\)](#)

- Zend Server for IBM i User Interface won't update, ZSDAEMON not active
- Grant permissions for php-cli users on IBM i
- Getting started with the PDO\_ODBC PHP extension on the IBM i
- Set IBM i Apache Timeout to a shorter time to recover from lock ups faster