

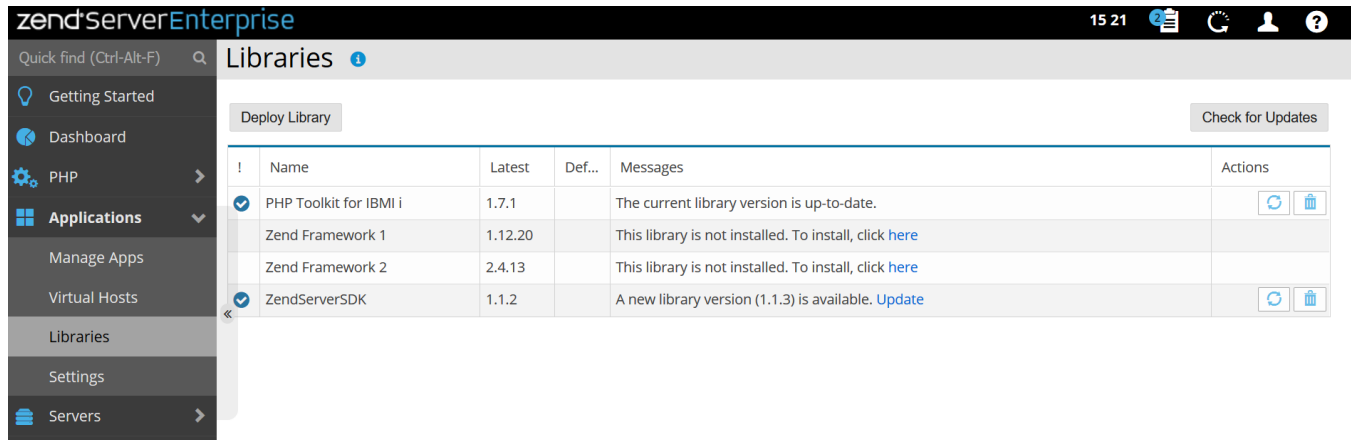
# Zend Server for IBM i - Zend Mail Transport(SMTP)

## Problem

Following a fresh install of Zend Server 2018 (PHP7.2.1) php mail stopped working.

The following message is given in the Apache HTTPD log file `www\zendphp7\logs\error_log.Q_date_time_stamp`:  
**sh: /usr/sbin/sendmail: not found**

Possible cause when the Zend Server libraries deployed are not updated to the latest versions available.  
IBM i not connected to the web,(no internet access).



	Name	Latest	Def...	Messages	Actions
<input checked="" type="checkbox"/>	PHP Toolkit for IBM i	1.7.1		The current library version is up-to-date.	<a href="#">Refresh</a> <a href="#">Delete</a>
<input type="checkbox"/>	Zend Framework 1	1.12.20		This library is not installed. To install, click <a href="#">here</a>	
<input type="checkbox"/>	Zend Framework 2	2.4.13		This library is not installed. To install, click <a href="#">here</a>	
<input checked="" type="checkbox"/>	ZendServerSDK	1.1.2		A new library version (1.1.3) is available. <a href="#">Update</a>	<a href="#">Refresh</a> <a href="#">Delete</a>

## Solution

Download and deploy the latest Zend Framework Libraries.

Use the SMTP Transport found in Zend Framework a more reliable and easy to implement.

In the following article you can find an examples written for Zend Framework 1 and Zend Framework 2.

[Use Framework's SMTP Transport instead of mail\(\) on IBM i](#)

### Use Zend Framework SMTP Transport instead of mail() on IBM i

#### Replace some values in the examples

In the following examples, we have used some dummy values that can be replaced with the real values for the mail to be sent. We specified 'mail.example.com' as the mail server, 'somebody@example.com' as the email of the person sending the email, 'somebody\_else@example.com' as the email of the person to receive the email, 'TestSubject' as the subject line of the email, and 'This is the text of the mail.' as the text for the email. We suggest creating a simple test script with just these values replaced with some real values, to verify that you can send a simple email. Then, you can visit the reference links provided to learn how to do more, like add recipients, include attachments, authentication, and so on.

#### Framework 1 example script:

```

<?php

ini_set('include_path',ini_get('include_path').':/usr/local/zendphp7/var/libraries/ZendFramework_1/');
require_once('Zend/Mail.php');
require_once 'Zend/Mail/Transport/Smtp.php';

$str = new Zend_Mail_Transport_Smtp('mail.example.com');
Zend_Mail::setDefaultTransport($str);

$mail = new Zend_Mail();
$mail->setBodyText('This is the text of the mail.');
```

The above example assumes you have the Framework directory in your include path, which is a default for Zend Server. If needed, please add a line to include Framework in the path:

```
ini_set('include_path',ini_get('include_path').':/usr/local/zendphp7/var/libraries/ZendFramework_1/');
```

**References:**

- [Introduction - Zend\\_Mail \(ZF 1.12\)](#)
- [Sending via SMTP - Zend\\_Mail \(ZF 1.12\)](#)

**Framework 2 example script:**

```

<?php

//ini_set('include_path', '/usr/local/zendphp7/share/ZendFramework2/library');
ini_set('include_path', ini_get('include_path').':/usr/local/zendphp7/var/libraries/ZendFramework_2/');

require_once 'Zend/Loader/StandardAutoloader.php';

$loader = new Zend\Loader\StandardAutoloader(array('autoregister_zf' => true));
$loader->register();

use Zend\Mail\Message;
use Zend\Mail\Transport\Smtp as SmtpTransport;
use Zend\Mail\Transport\SmtpOptions;

$message = new Message();
$message->addTo('somebody_else@example.com')
    ->addFrom('somebody@example.com')
    ->setSubject('TestSubject')
    ->setBody("This is the text of the mail.");

// Setup SMTP transport
$transport = new SmtpTransport();
$options = new SmtpOptions(array(
    'name' => 'example.com',
    'host' => 'mail.example.com',
    'port' => 25,
));
$transport->setOptions($options);
$transport->send($message);
?>
```

**References:**

- [Zend\Mail\Transport — Zend Framework 2.2.4](#)
- [Zend\Mail\Transport\SmtpOptions — Zend Framework 2.2.4](#)

## Related articles

[Zend Mail SMTP Options](#)

[Use Framework's SMTP Transport instead of mail on IBM-i](#)

[IBM i SMTP Mail -The PHP mail Function-](#)

[Zend Server Libraries](#)

[Zend Framework downloads](#)

[Create .zpk's the easy way](#)

- [Use Zend Framework SMTP Transport instead of mail\(\) on IBM i](#)
- [Zend Server for IBM i - Zend Mail Transport\(SMTP\)](#)