PHP 7.0.X TO PHP 7.1.X

New features

NEW FEATURES

Nullable types

```php
function testReturn(): ?string
{
    return 'elePHPant';
}
```

NEW FEATURES

Void functions

```php
function swap(&$left, &$right): void
{
    if ($left === $right) {
        return;
    }

    $tmp = $left;
    $left = $right;
    $right = $tmp;
}
```

NEW FEATURES

Symmetric array destructuring

```
$data = [
    [1, 'Tom'],
    [2, 'Fred'],
];
[$id1, $name1] = $data[0];

foreach ($data as [$id, $name])
```

NEW FEATURES

Class constant visibility

```
class ConstDemo
{
    const PUBLIC_CONST_A = 1;
    public const PUBLIC_CONST_B = 2;
    protected const PROTECTED_CONST = 3;
    private const PRIVATE_CONST = 4;
}
```

NEW FEATURES

iterable pseudo-type

```php
function iterator(iterable $iter)
{
    foreach ($iter as $val) {
        //
    }
}
```

NEW FEATURES

Multi catch exception handling

```
try {
    // some code
} catch (FirstException | SecondException $e) {
    // handle first and second exceptions
}
```

NEW FEATURES

Support for keys in list()

```
list("id" => $id1, "name" => $name1) = $data[0];
["id" => $id1, "name" => $name1] = $data[0];
```

NEW FEATURES

Support for negative string offsets

```
var_dump("abcdef"[-2]);
var_dump(strpos("aabbcc", "b", -3));
```

NEW FEATURES

Support for AEAD in ext/openssl

Support for AEAD (modes GCM and CCM) have been added by extending the openssl_encrypt() and openssl_decrypt() functions with additional parameters.

NEW FEATURES

openssl_encrypt

openssl_encrypt (string $data , string $method , string $key [, int $options = 0 [, string $iv = "" [, string &$tag = NULL [, string $aad = "" [, int $tag_length = 16]]]]]) : string

NEW FEATURES

Convert callables to Closures with
Closure::fromCallable()

```php
<?php
class Test
{
    public function exposeFunction()
    {
        return Closure::fromCallable([$this, 'private
    }

    private function privateFunction($param)
    {
        var_dump($param);
    }
}

$privFunc = (new Test)->exposeFunction();
$privFunc('some value');
```

The above example will output:

```
string(10) "some value"
```

NEW FEATURES

Asynchronous signal handling

```
pcntl_signal(SIGUSR1, function($signal) {
  // do something when signal is called
});
pcntl_async_signals ([ bool $on = NULL ] ) : bool
  pcntl_async_signals(TRUE);
```

NEW FEATURES

HTTP/2 server push support in ext/curl

curl_multi_setopt (resource $mh , int $option , mixed $value) : bool

New value option: CURLMOPT_PUSHFUNCTION