

TYPO3 Core - Bug #91710

Resolving env-Variable in Site Configuration ignores values that resolve to "false"

2020-06-25 13:53 - Philipp Seiler

Status:	New	Start date:	2020-06-25
Priority:	Should have	Due date:	
Assignee:		% Done:	0%
Category:	Link Handling, Site Handling & Routing	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	9	Is Regression:	
PHP Version:	7.4	Sprint Focus:	
Tags:	environment,env,variable,getenv,yaml,site,configuration		

Description

- Have an environment variable like **MY_VARIABLE=0** or **MY_VARIABLE="0"** or **MY_VARIABLE=""** or **MY_VARIABLE=.**
- Add this variable to the site configuration YAML:

```
myVariable: '%env(MY_VARIABLE)'
```

- Access this env-var in TypoScript via e.g.

```
myVariable = TEXT
myVariable.data = site:myVariable
```

- When TYPO3 parses the SiteConfiguration, the **YamFileLoader** will detect the `%env(...)`-Syntax and replace the value accordingly with **getenv()**.
- However, the method **getValueFromEnv** in `\TYPO3\CMS\Core\Configuration\Loader\YamFileLoader` will evaluate the env-value to boolean **FALSE**, leading to the original string being used as a fallback.
- The resulting value in the SiteConfiguration will then still be:

```
myVariable: '%env(MY_VARIABLE)'
```

- This is of course wrong. Sometimes variables specifically need to be "0" or even empty. The check for env-value should not skip false-like values, but simply check if the env-variable is set or not.

A quick fix would be to adjust the **getValueFromEnv**-method like this:

```
$matches = [];
preg_match_all('/%env\([\\"']?(\w+)\[\\"']?\)/', $value, $matches);
$envVars = array_combine($matches[0], $matches[1]);
foreach ($envVars as $substring => $envVarName) {
    $envVar = getenv($envVarName);
    $value = $envVar !== false ? str_replace($substring, $envVar, $value) : $value;
}
return $value;
```

Note the **\$envVar !== false ? ...**. Originally this was **\$envVar ? ...**

History

#1 - 2020-06-25 14:00 - Philipp Seiler

I have just checked TYPO3 v10, and the same error should be present there. Check `\TYPO3\CMS\Core\Configuration\Processor\Placeholder\EnvVariableProcessor` and method **process**:

```
$envVar = getenv($value);
```

```
if (!$envVar) {  
    throw new \UnexpectedValueException('Value not found', 1581501124);  
}  
return $envVar;
```

Should probably be:

```
$envVar = getenv($value);  
if ($envVar === false) {  
    throw new \UnexpectedValueException('Value not found', 1581501124);  
}  
return $envVar;
```