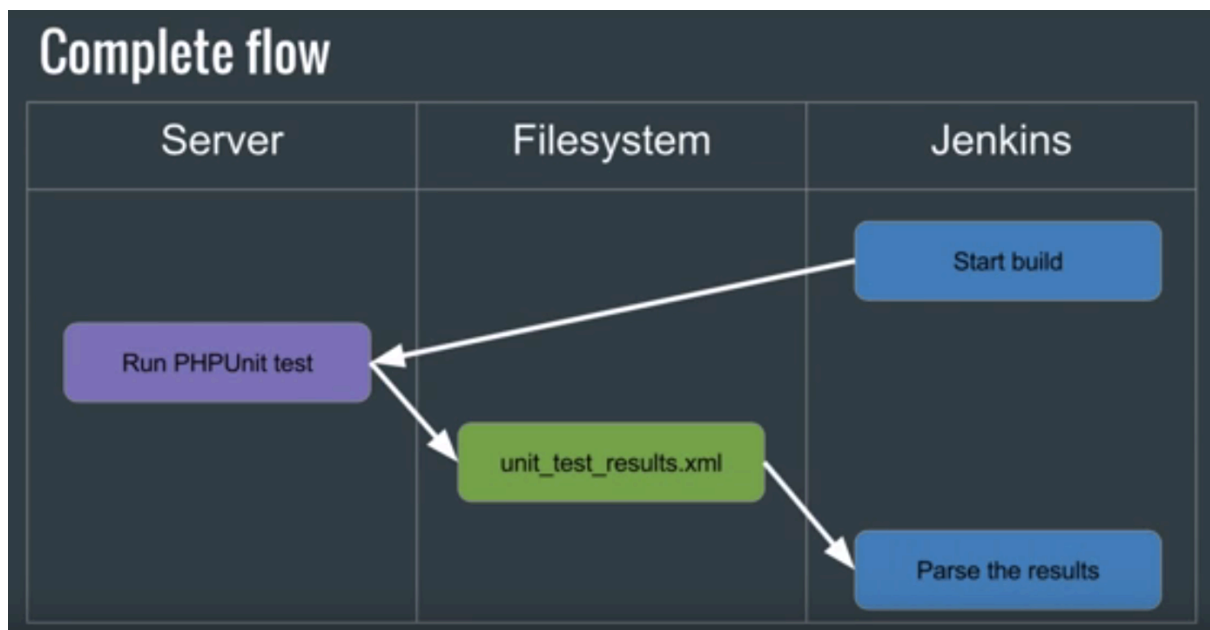


Running PHPUnit tests after each commit

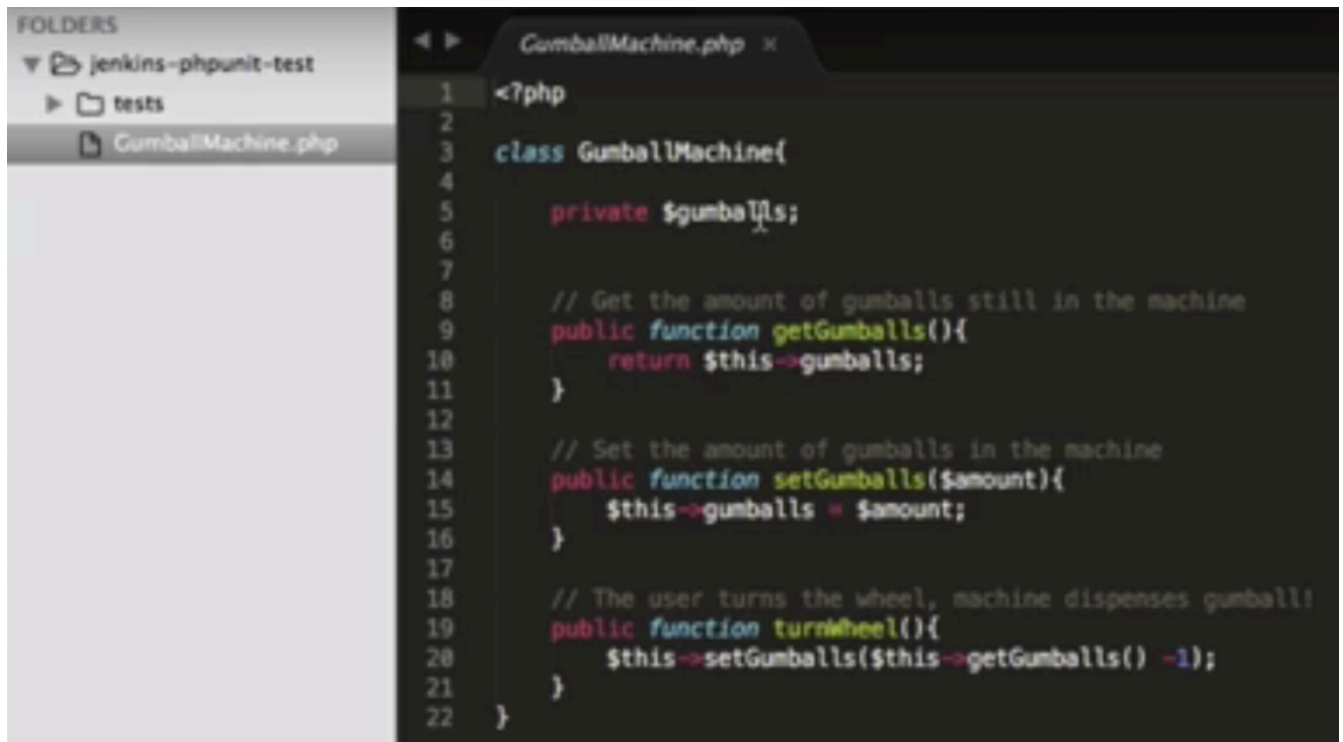
Required Flow: -

Code Commit -> Jenkins Job trigger -> Runs PHPUnit test cases -> Output in a file -> Jenkins parse this file and checks if all cases have passed
-> If Yes, then Code is deployed / Build is complete
-> If No, then code is not deployed / Build fails.



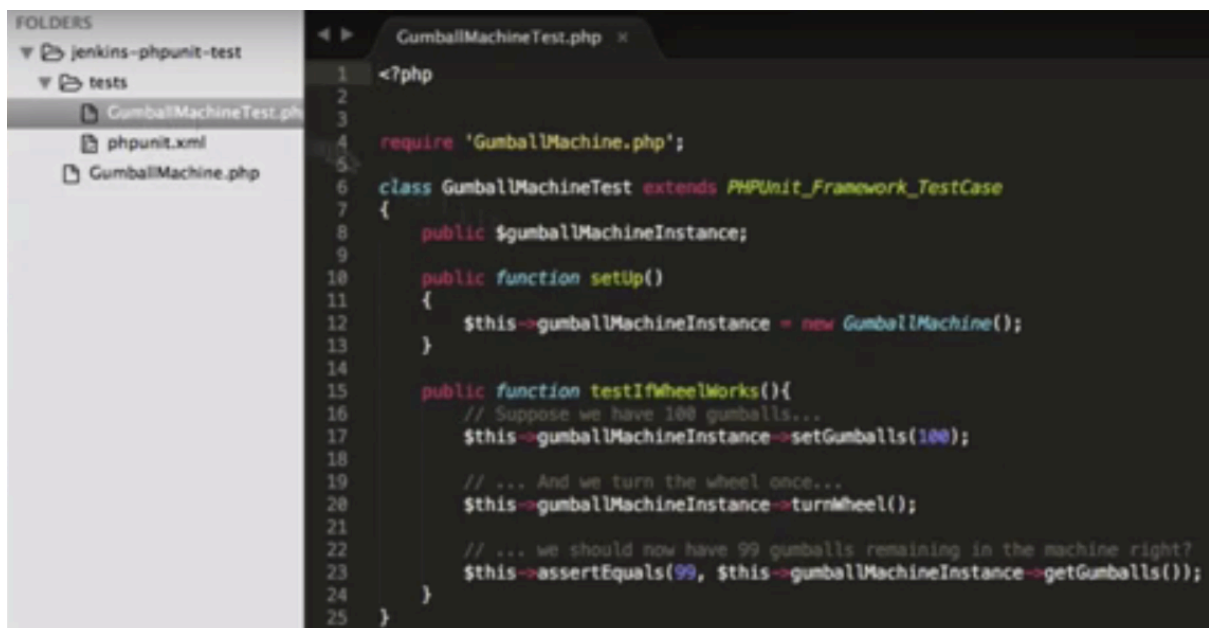
Sample Project ->

Demo PHP Class



```
1 <?php
2
3 class GumballMachine{
4
5     private $gumballs;
6
7
8     // Get the amount of gumballs still in the machine
9     public function getGumballs(){
10         return $this->gumballs;
11     }
12
13     // Set the amount of gumballs in the machine
14     public function setGumballs($amount){
15         $this->gumballs = $amount;
16     }
17
18     // The user turns the wheel, machine dispenses gumball!
19     public function turnWheel(){
20         $this->setGumballs($this->getGumballs() -1);
21     }
22 }
```

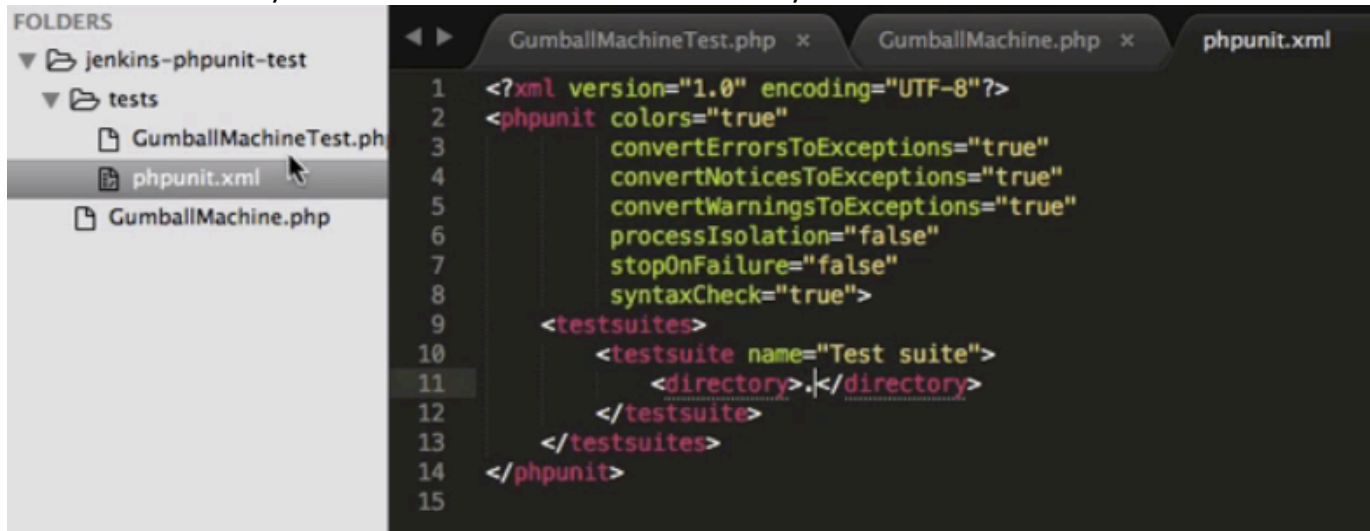
PHPUnit_Framework_TestCase



```
1 <?php
2
3
4 require 'GumballMachine.php';
5
6 class GumballMachineTest extends PHPUnit_Framework_TestCase
7 {
8     public $gumballMachineInstance;
9
10    public function setUp()
11    {
12        $this->gumballMachineInstance = new GumballMachine();
13    }
14
15    public function testIfWheelWorks(){
16        // Suppose we have 100 gumballs...
17        $this->gumballMachineInstance->setGumballs(100);
18
19        // ... And we turn the wheel once...
20        $this->gumballMachineInstance->turnWheel();
21
22        // ... we should now have 99 gumballs remaining in the machine right?
23        $this->assertEquals(99, $this->gumballMachineInstance->getGumballs());
24    }
25 }
```

Set it up on Bit Bucket with same Folder structure.

This xml will basically run all the tests in the current directory –



Set Up Job in Jenkins -

Required on Jenkins Server ->

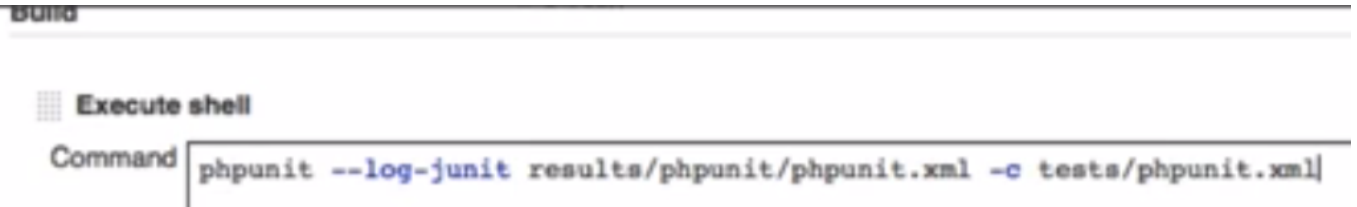
1. Install PHPUnit Plugin [Sudo apt-get install phpunit]
2. Verify the JUnit Plugin is installed [JUnit Plugin - JUnit output file(xml)]

Set up Git, Poll SCM()

In the build section –



Choose Execute shell



and in Post build action Publish JUnit Test result report, the same path that was set in execute shell step –

Post-build Actions

Publish JUnit test result report

Test report XMLs

results/phpunit/phpunit.xml

Fileset 'includes' setting that specifies the generated raw XML report files, such as 'myproject/target/test-reports/*.xml'. Basedir of the fileset is the workspace root.

☐ Retain long standard output/error 

Health report amplification factor

1,0 

1% failing tests scores as 99% health. 5% failing tests scores as 95% health

Advanced...

Delete

1.0 signifies the % of test cases that we want the build to PASS in order to succeed.