
CS445 - Introduction to
Database Management Systems

Fall Semester 2015

LECTURE 13

Aptana Studio 3.0 Configuration

Aptana Studio 3

- ❖ Open Source
- ❖ Installed under both Windows and OpenSUSE
- ❖ Only OpenSUSE has php debugger:

`/usr/local/share/Aptana_Studio_3/AptanaStudio3`

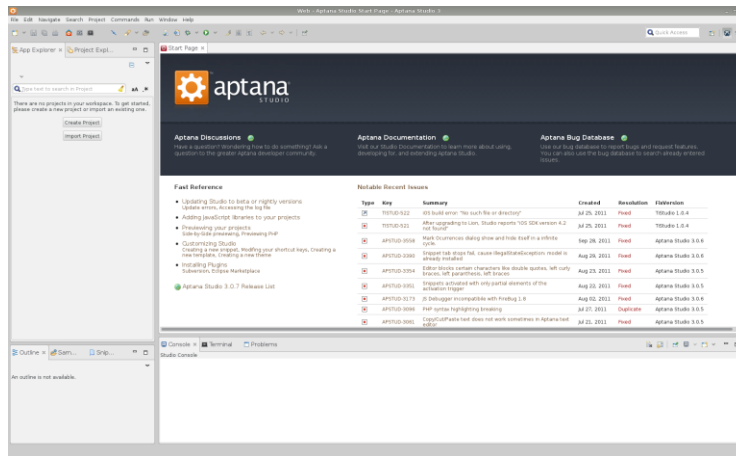
<http://www.aptna.com/products/studio3>

<http://xdebug.org>

Start and accept defaults.

Add App Explorer pane:

Window | Show View | App Explorer



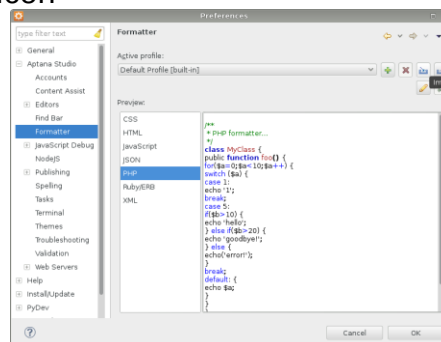
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Coding Standards

- ❖ Download the Aptana PHP Coding Style from the course website
- ❖ Install via Window | Preferences | Aptana Studio | Formatter | PHP | Import Icon



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Set up Debugger

❖ Window | Preferences | Aptana Studio | Editors | PHP | PHP Interpreter

❖ Add:

Name: php

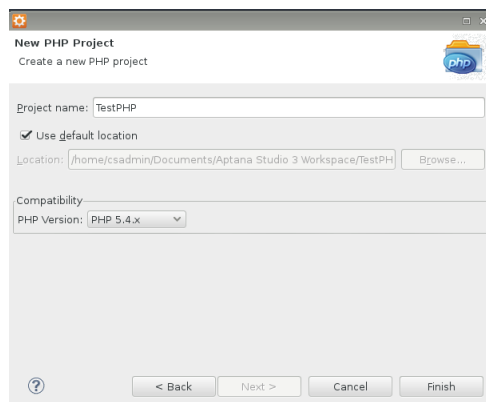
Executable path: /usr/bin/php

PHP ini file: /etc/php5/cli/php.ini

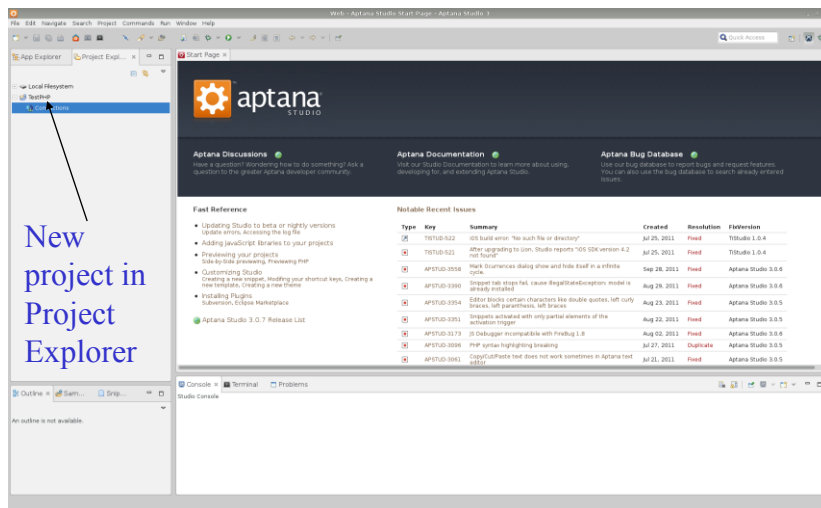
PHP debugger: XDebug

Create a new Project TestPHP

❖ Click on Create Project button in App Explorer pane:



TestPHP project in Project Explorer



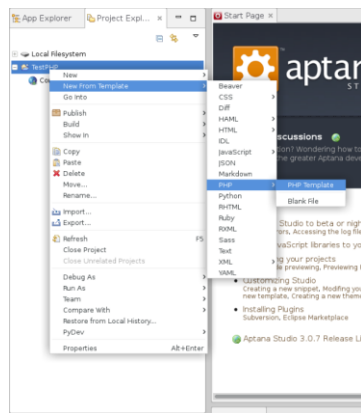
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Add new file to project: SecondPHP.php

- ❖ Right Click TestPHP in Project Explorer:
 - New from Template | PHP | PHP Template



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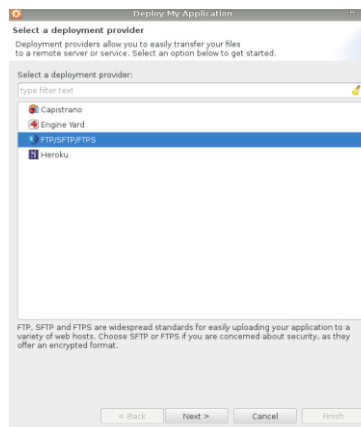
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Webwork synchronization setup

- ❖ Window | Preferences | Aptana Studio | Publishing
 - Add **.project** to list of ignored files (*dot* project)
 - ✓ Contains Aptana settings
 - Add **queries** to the list of ignored files
 - ✓ Directory to store .sql files

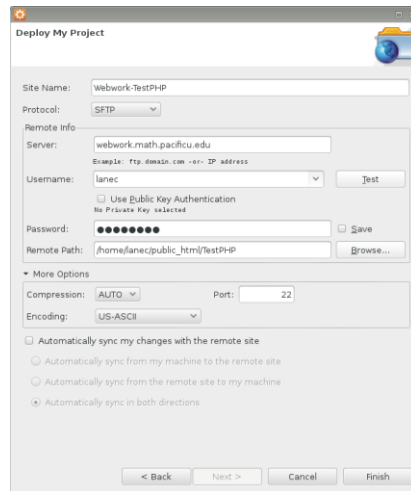
Webwork synchronization: Step 1

- ❖ In Project Explorer, right click TestPHP | Publish | Run Web Deployment Wizard
- ❖ Select FTP/SFTP/FTPS



Webwork synchronization: Step 2

- ❖ Select SFTP, enter information as given.
- ❖ Remote Path must be **full path** to your folder on webwork.
- ❖ Select Test, then Finish if successful.



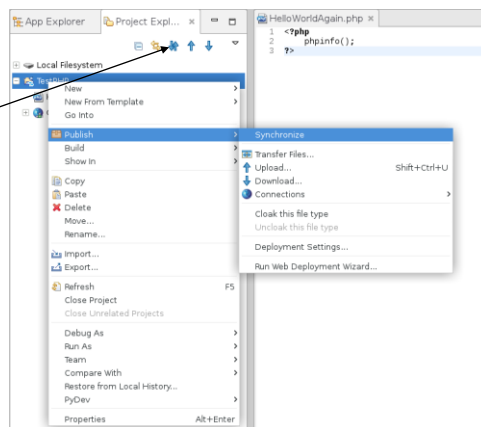
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Webwork synchronization: Step 3

- ❖ TestPHP (right click) | Publish | Synchronize (or click this...)
- ❖ If .project appears, go back 4 slides!



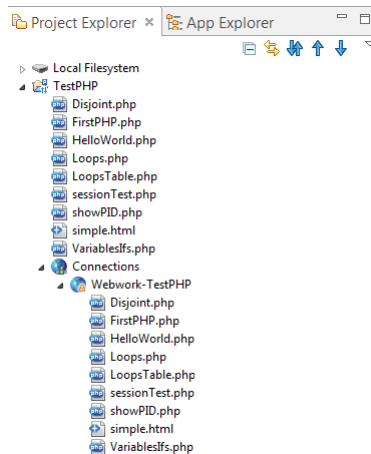
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Project explorer view

- ❖ Shows local folder and files under **TestPHP**
- ❖ Shows files on server under **WebWork-TestPHP**
- ❖ Generally, work on files locally, test, upload to webserver.



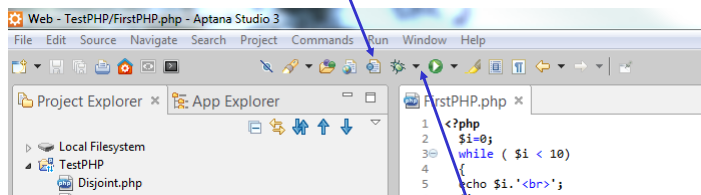
Create file to debug

- ❖ Make the following changes to SecondPHP.php

```
<?php
    $i=0;
    while ( $i < 10)
    {
        echo $i.'<BR>';
        $i++;
    }
    printf("By the way, your IP Address is: %s",
        $_SERVER[ 'REMOTE_ADDR' ] );
?>
```

Debugger

- ❖ Place cursor on echo line and use toggle breakpoint button to set a breakpoint:



- ❖ Click on down arrow next to green bug and select Debug As | PHP Script
- ❖ To return to the project Explorer, select Window | Open Perspective