



eZ Publish 5: Installation & Architecture Overview

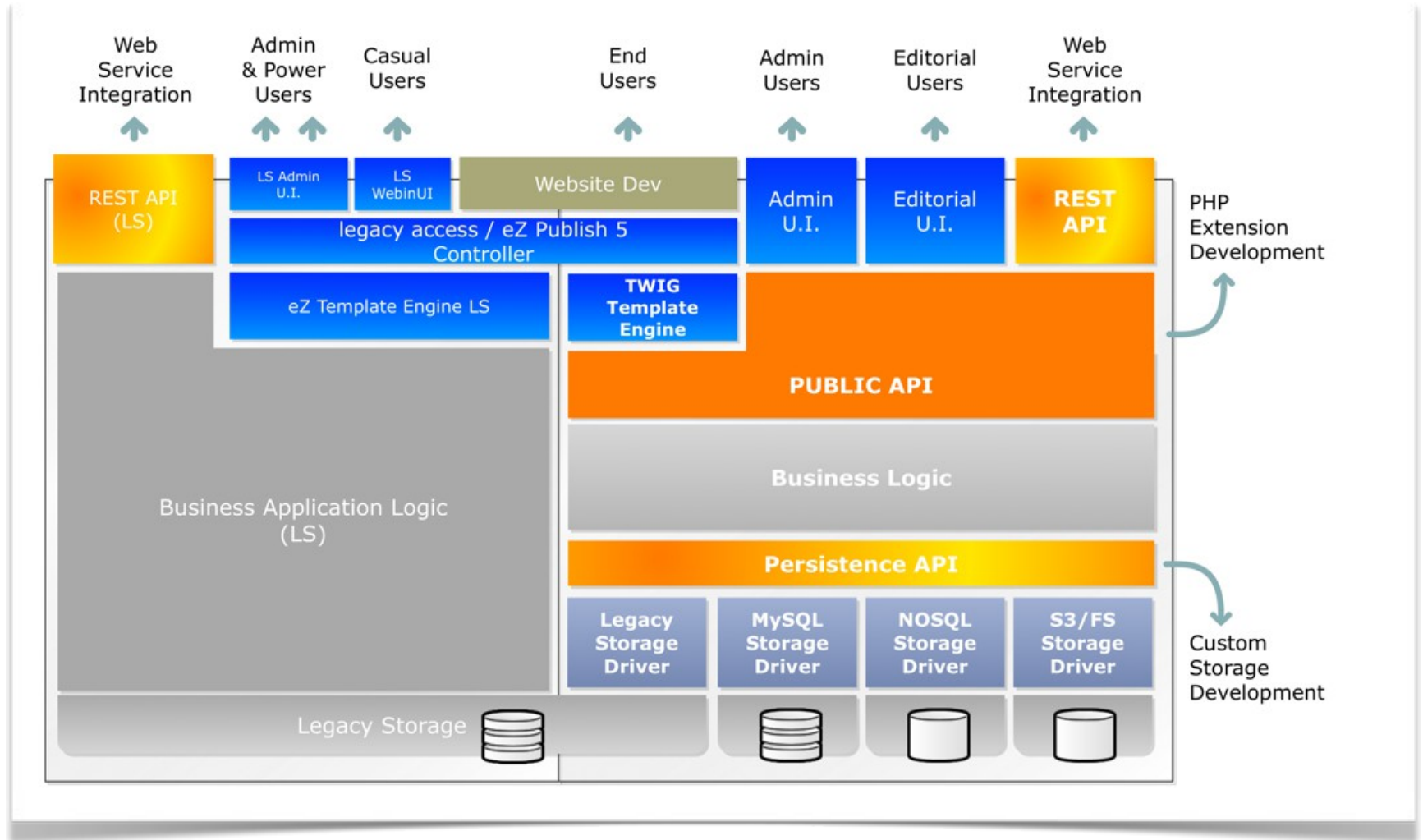
eZ Publish Summer Camp 2013, Bol, Croatia

eZ Publish 5

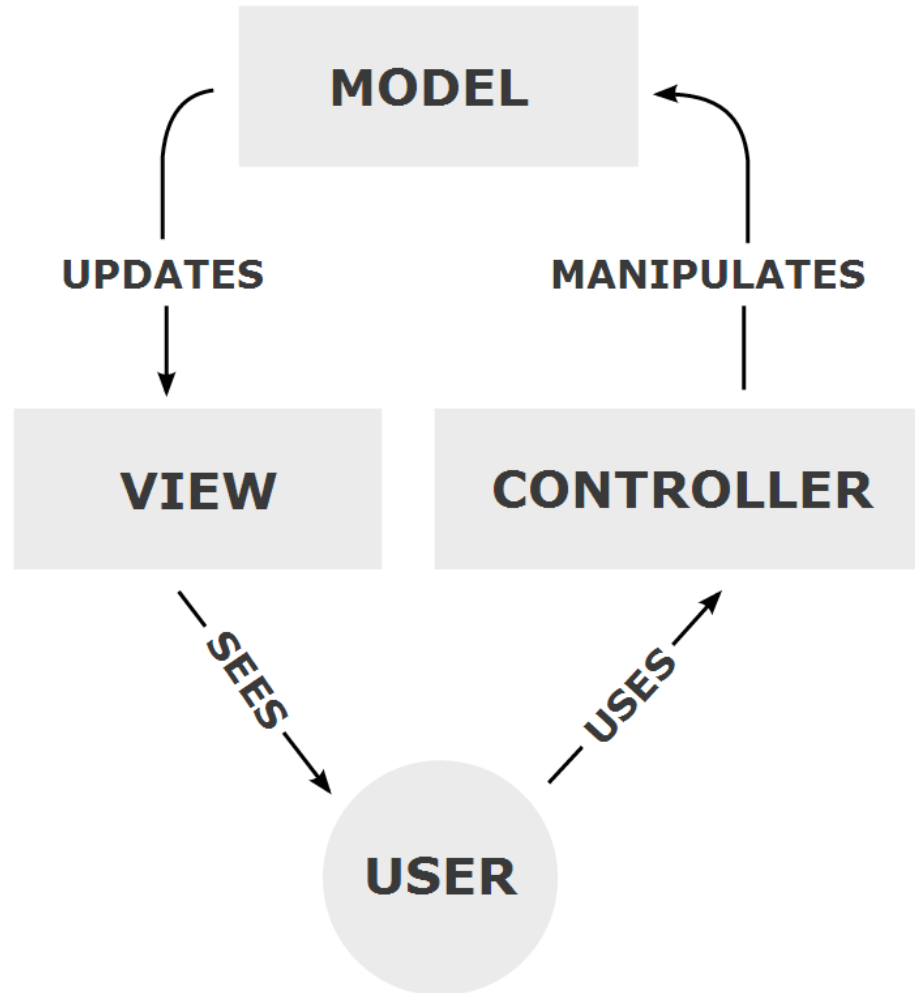


- New PHP (Public) API
 - Long term API providing all CMS features
- New REST API
 - Uses Public API
- New persistence layer
 - Supporting pluggable storage drivers
- New template engine
 - Twig
- Dual core!
 - Backward compatibility

Architecture



(H)MVC



(H)MVC



- **M**odel – eZ Publish 5 kernel / Public API
- **V**iew – Twig template engine / JSON / XML
- **C**ontroller – Symfony2 app / REST API
- (**H**ierarchical)

eZ4 vs eZ5



- eZ Publish Template Twig Template
- Extension Bundle
- Module Controller class (based on
eZ\Bundle\EzPublishCoreBundle\Controller)
- View Controller action
- settings ezpublish/config and
Resources/config on eachbundles
- site.ini ezpublish.yml

eZ4 vs eZ5



- Content Class - ContentType
- Content Class Group - ContentTypeGroup
- Datatype - FieldType
- Node - Location
- Content Object - Content (and ContentInfo)
- Content Object Version - VersionInfo
- Content Object Attribute - Field + FieldValue
- Content Class Attribute - FieldDefinition

Directory structure



- **ezpublish** (app!) - configurations, cache, logs
- **ezpublish_legacy** - the full Legacy Stack
- **src** - your bundles
- **vendor** - libraries from 3rd parties
 - ezsystems Kernel
- **web** - all files which are accessible from the web

- Static assets are either copied or symlinked from legacy designs / extensions into the web directory via a cli script
- Per-environment configuration is managed via different frontend controllers in the web directory

Configuration



- The eZ 5's configuration model uses Symfony2's configuration model:YML files
- A YAML file contains settings that control behavior of a specific part of eZ Publish
 - ezpublish.yml is the most important YAML file
 - config.yml to configure some behavior with Symfony2

Rendering



- All URIs which are not matched by Symfony controllers are sent to the Legacy Stack
 - Sf controller in use: LegacyKernelController::indexAction
- Content is rendered using the ViewController ::viewLocation controller
 - Class located in Core\MVC\Symfony\Controller\Content
 - It uses a twig template for pagelayout: pagelayout.html.twig in DemoBundle (set in parameters.yml)

Rendering



- When falling back to the legacy kernel, the old content/view module is run to return the appropriate view for the given content.
- However, the pagelayout is not rendered as it needs to be still rendered by Twig in the Symfony part, for consistency.

Base layout for legacy fallback

```
ezpublish_legacy.my_siteaccess.view_default_layout:
```

```
AcmeDemoBundle::pagelayout.html.twig
```

Still missing



- Admin Interface; content editing
- Information Collectors
- Workflows
- Notifications
- eZ Find
- eZ Flow (5.1+ includes read part)

Questions?



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