SmartEdit: New Features and Enhancements

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“Why is SmartEdit the Right choice?”
SmartEdit
Manage great looking Sites

- Intuitive and easy to use tooling
- Preview for different responsive sizes
- Personalization of targeted experiences
- Multi-Country Management
1808 Key Features

- **Content Versioning**
  - ✓ Create, preview, rollback to a page version

- **Page Management:**
  - ✓ Delete/restore pages in Trash
  - ✓ Set a Homepage
Deep-Dive into Versioning
Content Versioning - Page Structure
Content Versioning - Page Structure Multi-Country

Page
  - Template
  - Content Slot
  - Restriction
  - Parent Catalog
  - Content Slot
  - Page
  - Content Slot
  - Parent Catalog
  - Component
  - Component
  - Restriction

Welcome - Multi Country CMS for UK Site
Content Versioning - Page Version Payload

Page Version Id: 001

Slot Version Id: 002

Comp Version Id: 010

Comp Version Id: 020

Comp Version Id: 021

Slot Version Id: 003

Comp Version Id: 011
## Content Versioning - Page Version Payload

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>uid</td>
<td>String</td>
<td>homepage</td>
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<tr>
<td>homepage</td>
<td>Boolean</td>
<td>true</td>
</tr>
<tr>
<td>modifiedTime</td>
<td>Date</td>
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</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>restrictions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>contentSlots</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ForPage</td>
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<td></td>
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### Content Versioning - Page Version Payload

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<td>ContentSlotForPage RelationData</td>
<td>Section1::8796128019536, Section2::8796128543824, ...</td>
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</tbody>
</table>
Content Versioning - Page Version Payload

Page

- Template Content Slot
- Restriction
- Parent Catalog Content Slot
  - Page Content Slot
    - Parent Catalog Component
    - Component
    - Restriction

Page content Slot Version Payload

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Type</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>uid</td>
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<td>Section1Slot-Homepage</td>
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<tr>
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Content Versioning - Page Version Payload

**Component Version Payload**

<table>
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<tr>
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<th>Type</th>
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<tr>
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<td>media</td>
<td>PK</td>
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</table>
Content Versioning Garbage Collection
# Content Versioning – Garbage Collection

<table>
<thead>
<tr>
<th>Properties</th>
<th>Default Values</th>
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<tbody>
<tr>
<td>version.gc.cron</td>
<td>every day at midnight</td>
</tr>
<tr>
<td>version.gc.enabled</td>
<td>true</td>
</tr>
<tr>
<td>version.gc.maxAgeDays</td>
<td>0</td>
</tr>
<tr>
<td>version.gc.maxNumberVersions</td>
<td>20</td>
</tr>
</tbody>
</table>

- Properties configurable in *Hybris Administrator Console* (HAC)
- Trigger manual GC jobs in *Backoffice*
Upgrade SmartEdit to the latest Angular version and beyond!
Why upgrade **SmartEdit**?

- Smartedit is built using AngularJS 1.6
- AngularJS has been announced as deprecated, has 3 years of support for security
- Better alternatives than AngularJS or even Angular (2) may become available as we go
Purpose

Abstract underlying runtime framework => contain amplitude of breaking changes when major versions or change framework completely.

This abstraction would deal with:

✓ Dependency injection (DI)
✓ services wrappers for third party AngularJS services
Prior to typescript: code and AngularJS DI were in-line

```javascript
angular.module('myAngularJSModule', ['module1', 'module2'])

.service('myInlineService', function($dep1, dep2) {
    this.method1 = function() {
        return 'something';
    }
});
```
With typescript: code was imported into an AngularJS specific DI

```typescript
import {Module1} from './path/to/Module1';
import {MyTypescriptService} from './path/to/MyTypescriptService';

export const MyModule = angular
  .module('MyModule', [Module1])
  .service('myTypescriptService', MyTypescriptService)
  .name;
```
How do we **upgrade to latest Angular** from there?

- Provide guidelines for partners to migrate code to latest Angular (once we support it) and strongly bind, **again**, to a library syntax.

- Or, offer stable way of declaring dependency injection, agnostic of the engine:

Meet the typescript decorator powered **Smartedit DI** family:

@SeModule  @SeDirective  @SeComponent and @SeInjectable
@SeModule({
  declarations: [
    Component1, Component2
  ],
  imports: [
    'legacyModule1',
    Module2,
    MyConfigurableModule.configure({somePayload})
  ],
  providers: [
    Service1,
    {
      provide: 'someConstantName',
      useValue: {someValue}
    },
    {
      provide: 'someFactoryName',
      useFactory: SomeCallback
    },
    Service2
  ],
  initialize: (dep1: Dep1, dep2: Dep2) => {
    // some initialization code
  }
})
export class MyModule {}
Our strategy:

- Move entirely to Angular or hybrid approach for a couple of years?
  => services and modules declarations won’t change
Documentation:

- For more information on Smartedit DI and complex usage, visit the generated ngdoc website:

1. cd to Smartedit extension
2. run "grunt ngdocs connect:docs"
3. visit http://localhost:9091/#/smartEdit/smarteditServicesModule.object:@SeModule
SmartEdit Roadmap
Upcoming release: Business View and Benefits

Simplify Navigation Management to save time and provide more flexibility

Enable business user to focus on task at hand rather than how the navigation is modelled on the backend

A clear and fast user interface to manage navigation
What’s next: Business View and Benefits

**Workflow to facilitate teamwork**

Enable team collaboration through workflows by streamlining the tasks around creation, reviewing and publishing content.

Allow business users the flexibility to track changes made to slots and components at different times.

Ensure that the customer experience across all channels is contextual, consistent and relevant.
Thank you.

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