



SAP Customer Experience

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

The screenshot displays the SmartEdit interface for editing a website. The top navigation bar includes the SmartEdit logo, the page title "Eletronics UK - Stage", the language "English", and a user profile "01 Men, under 30, boys white Ts...". The interface is in "ADVANCED EDIT MODE".

The main content area shows a website preview with a navigation menu: "CAMCORDERS", "CAMERAS", "POSER SUPPLIES", "FLASH MEMORIES", and "ACCESSORIES". The main banner features a camera lens and the text "JUST IN think SPEED" with the tagline "The speed of the legendary NIKKOR lens truly produces incredible images". Below the banner is a promotional offer: "25% OFF - On select digital cameras".

A "Slot Synchronization" panel is open on the right side of the preview. It contains a list of components with checkboxes and status icons (refresh or checkmark). The components are:

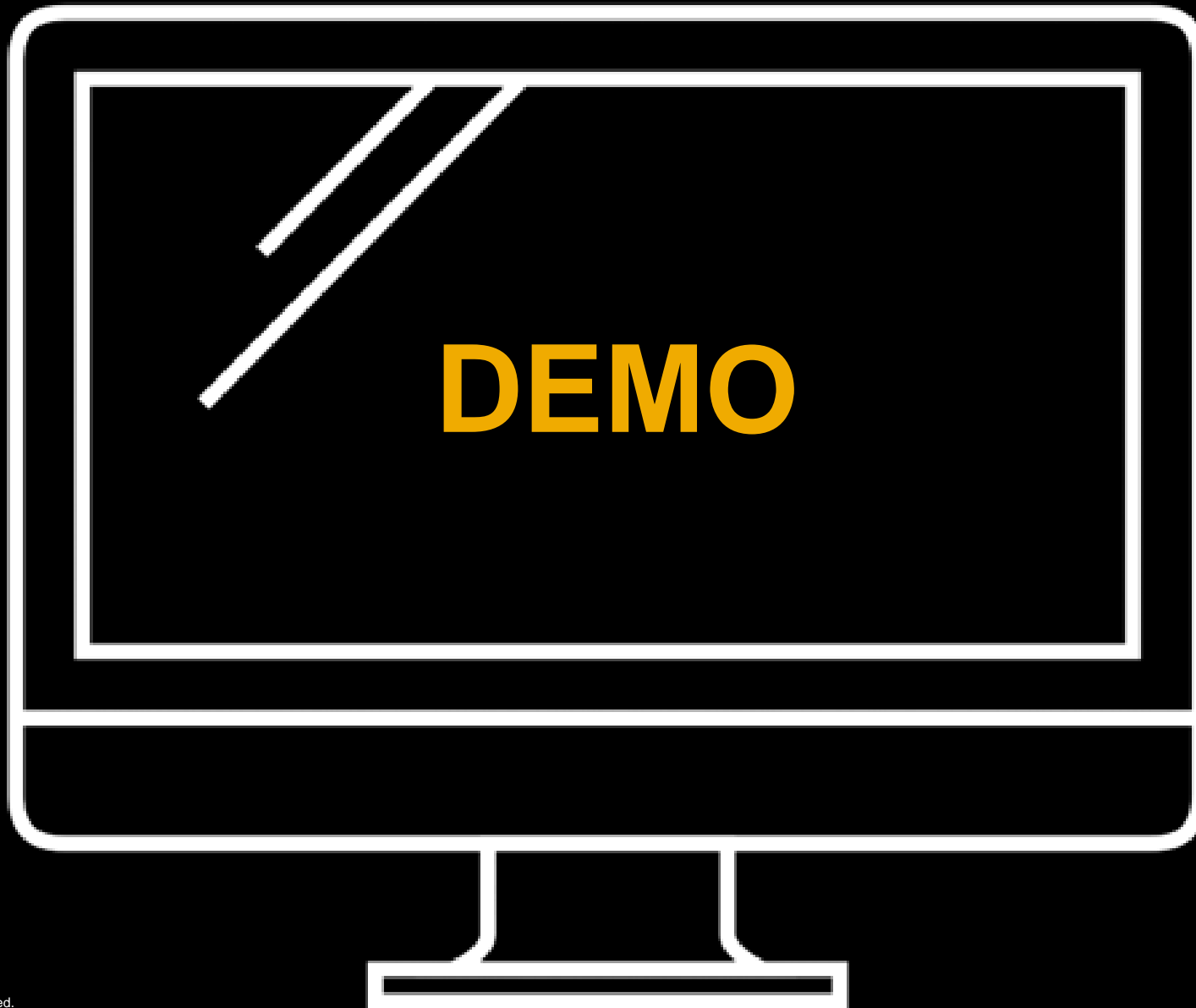
Component Name	Status
ALL COMPONENTS	Refresh
<Component Name>	Checkmark
<Component Name>	Refresh
<Component Name>	Checkmark
<Component Name>	Refresh

At the bottom of the panel is a yellow "SYNC" button.

1808 Key Features

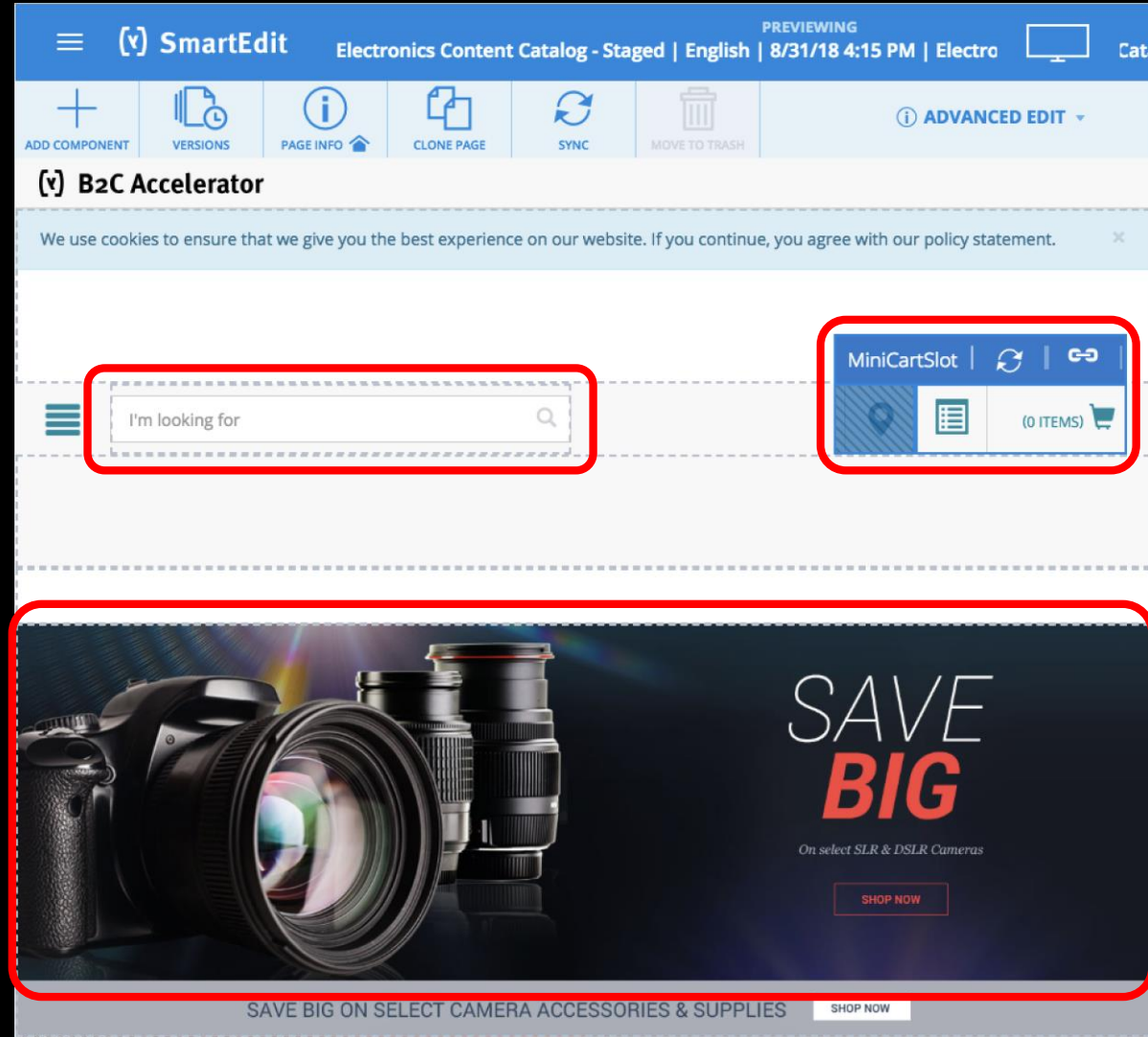
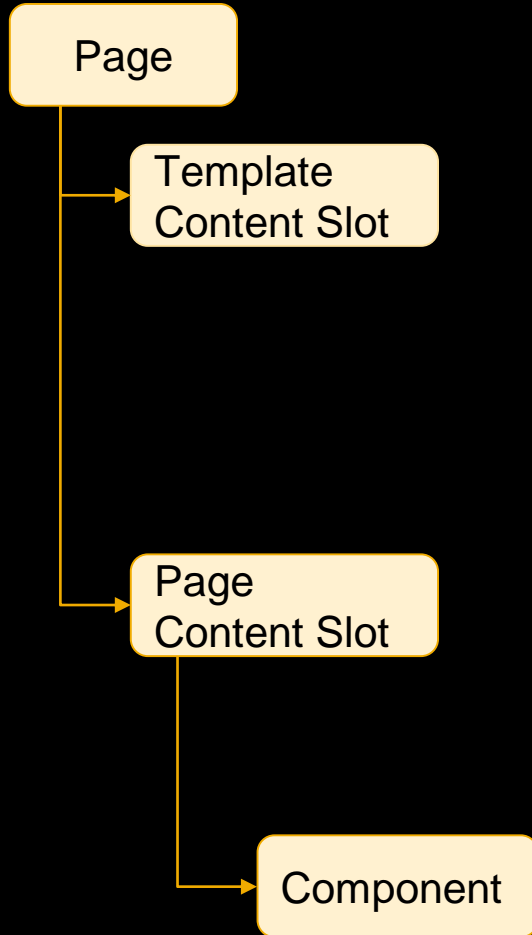
- **Content Versioning**
 - ✓ Create, preview, rollback to a page version
- **Page Management:**
 - ✓ Delete/restore pages in Trash
 - ✓ Set a Homepage

The screenshot displays the SmartEdit interface for 'Apparel UK Content Catalog - Staged | English I'. The top navigation bar includes a menu icon, the SmartEdit logo, and the page title. Below the navigation bar, there are several action buttons: 'VERSIONS' (with a document icon), 'ROLLBACK' (with a circular arrow icon), and 'PAGE INFO' (with an information icon and a home icon). A dropdown menu is open under the 'VERSIONS' button, showing a list of page versions. The dropdown has a search bar labeled 'Search version' and indicates '2 Versions'. The list includes two entries: 'Homepage June 2018' (Created on 8/2/18 4:01 PM, Summer is here. Enjoy the sunshine.) and 'Winter 2018' (Created on 8/2/18 4:00 PM, Winter is here. Be strong, enjoy the...). The background of the screenshot shows a preview of a webpage with a woman wearing a knit hat and scarf, and text like 'SELECT STREETWEA' and 'START YOUR SEASON'.

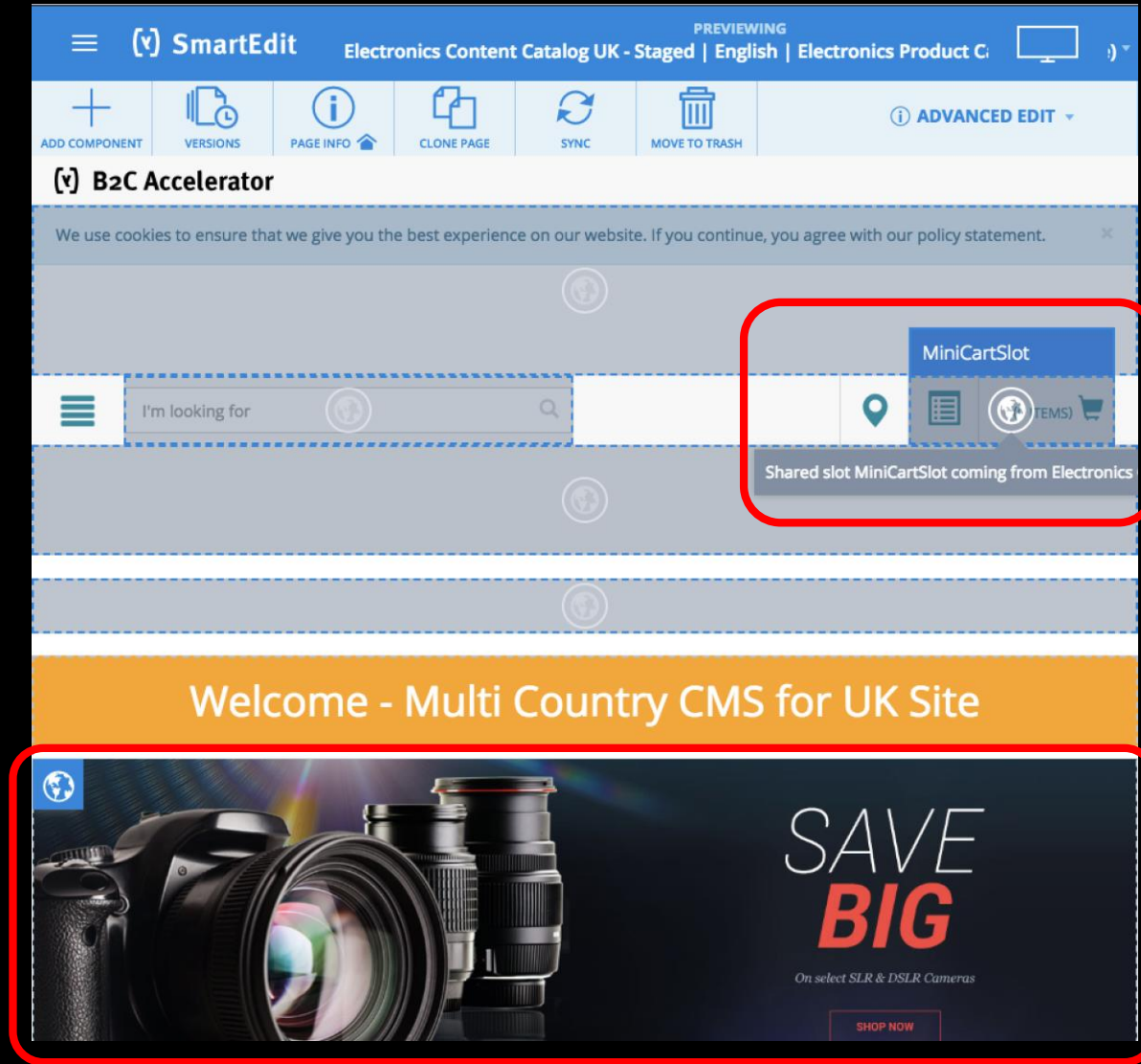
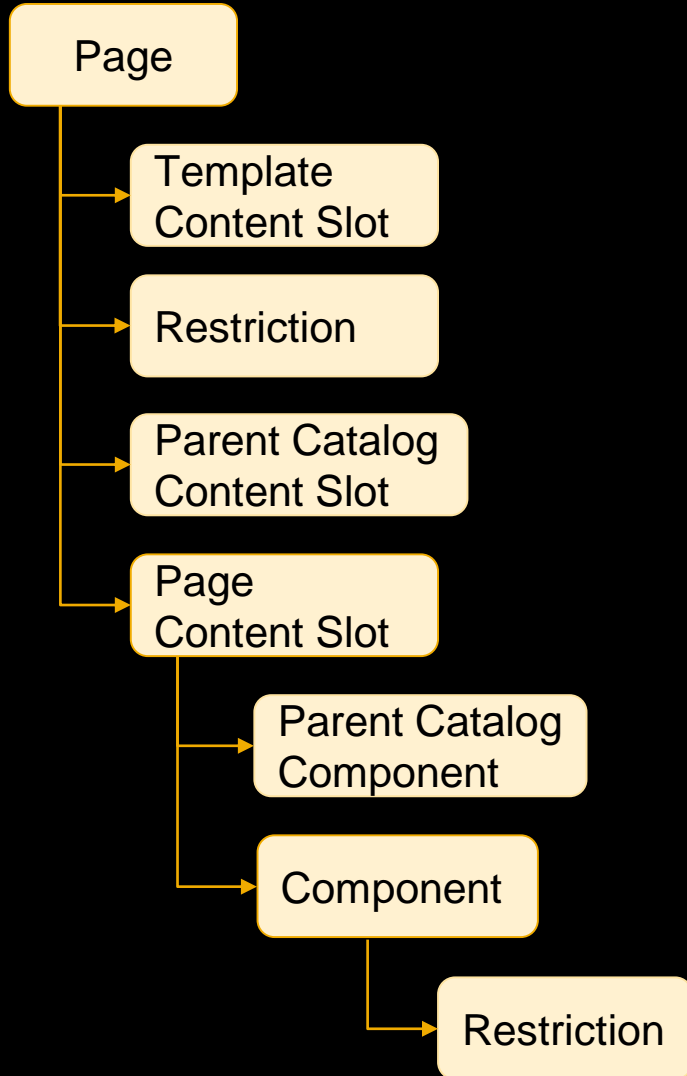


Deep-Dive into **Versioning**

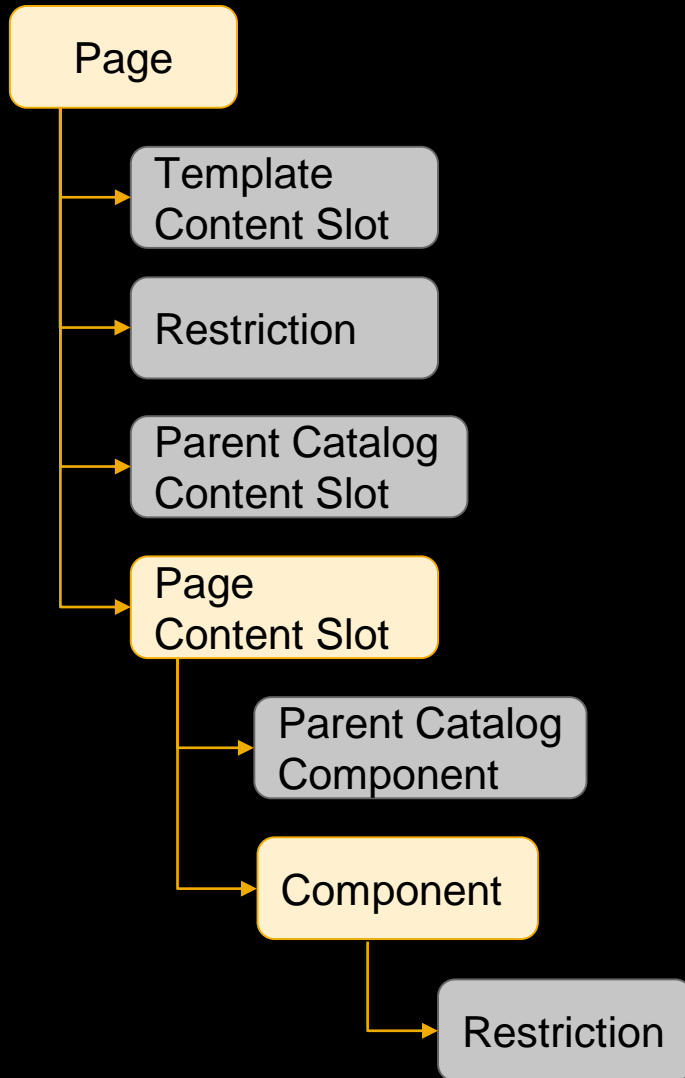
Content Versioning - Page Structure



Content Versioning - Page Structure Multi-Country



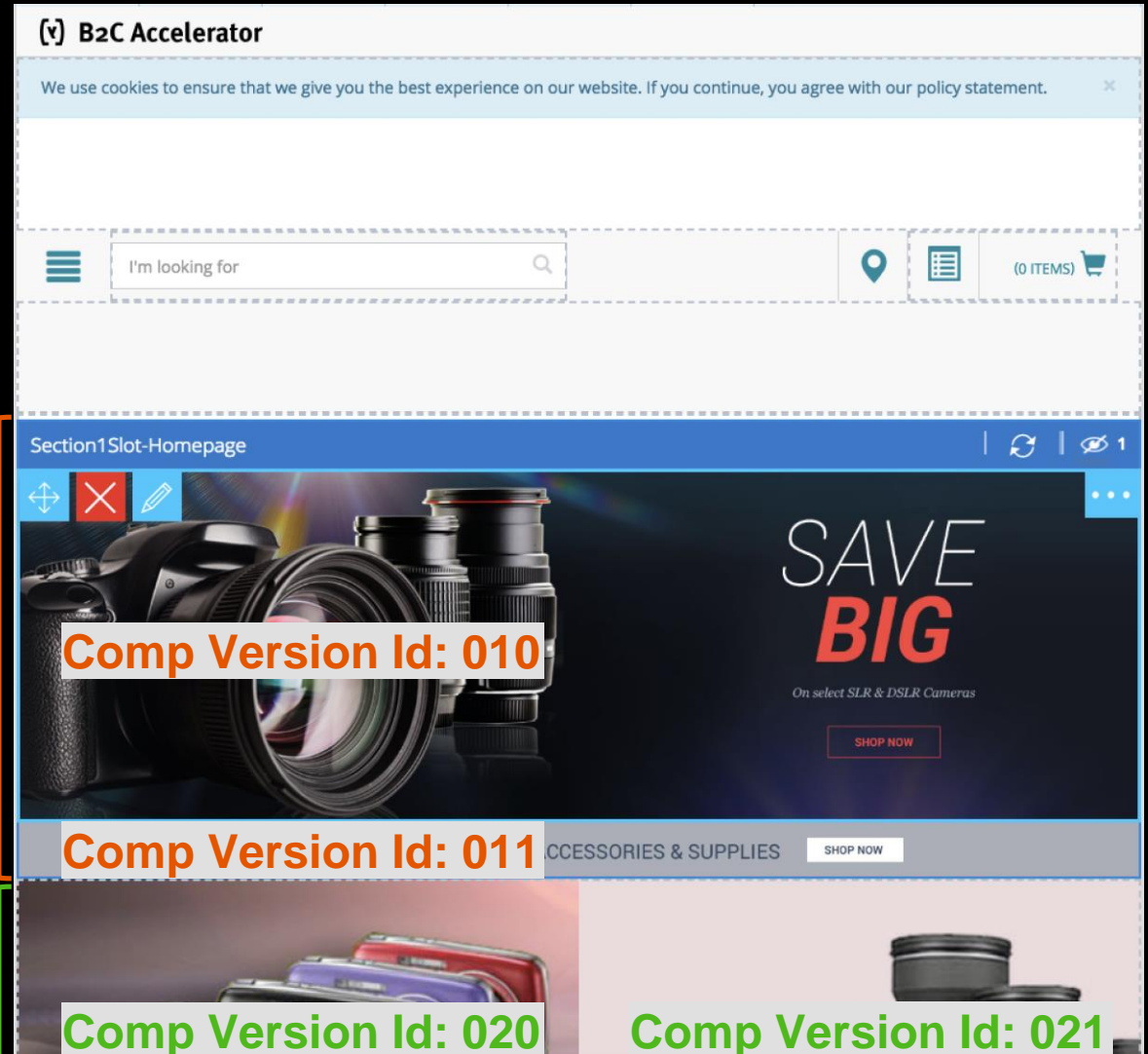
Content Versioning - Page Version Payload



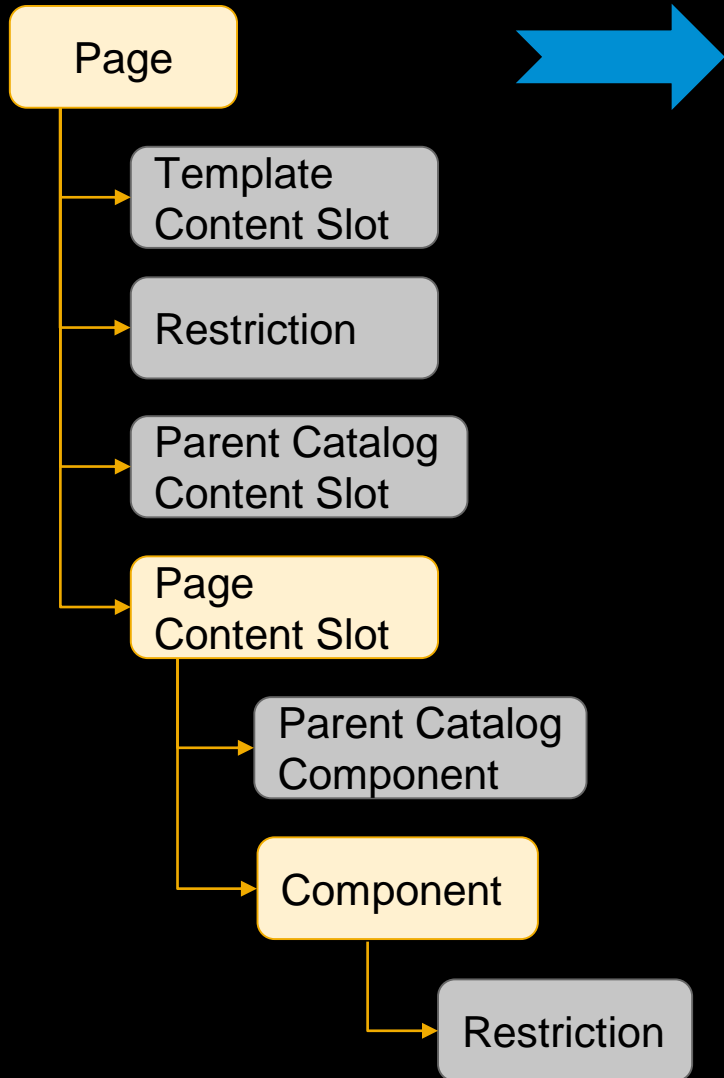
Page Version Id: 001

Slot Version Id: 002

Slot Version Id: 003

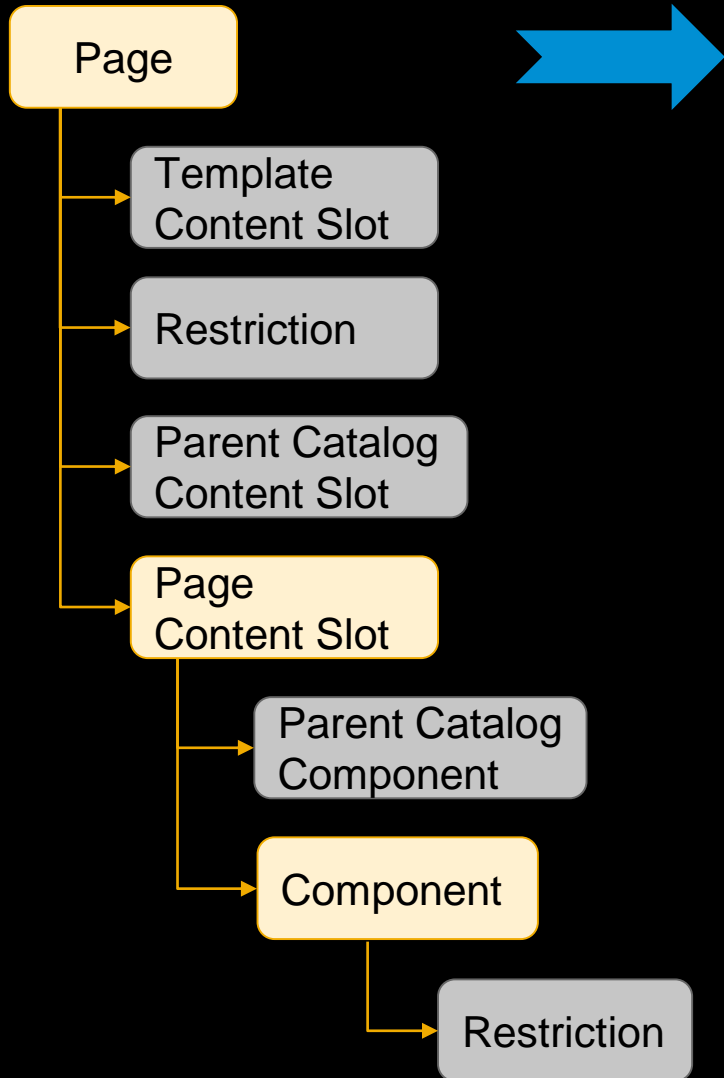


Content Versioning - Page Version Payload



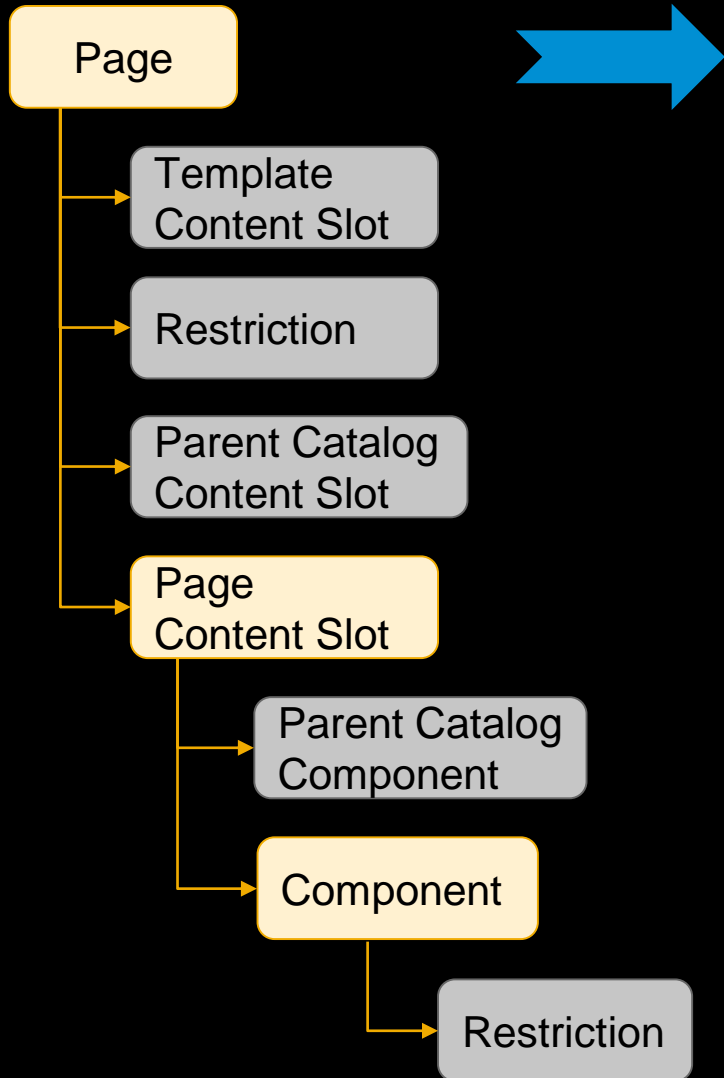
Page Version Payload		
Attribute	Type	Value
uid	String	homepage
homepage	Boolean	true
modifiedTime	Date	1531160550022
pageTemplate		
restrictions		
contentSlots ForPage		

Content Versioning - Page Version Payload



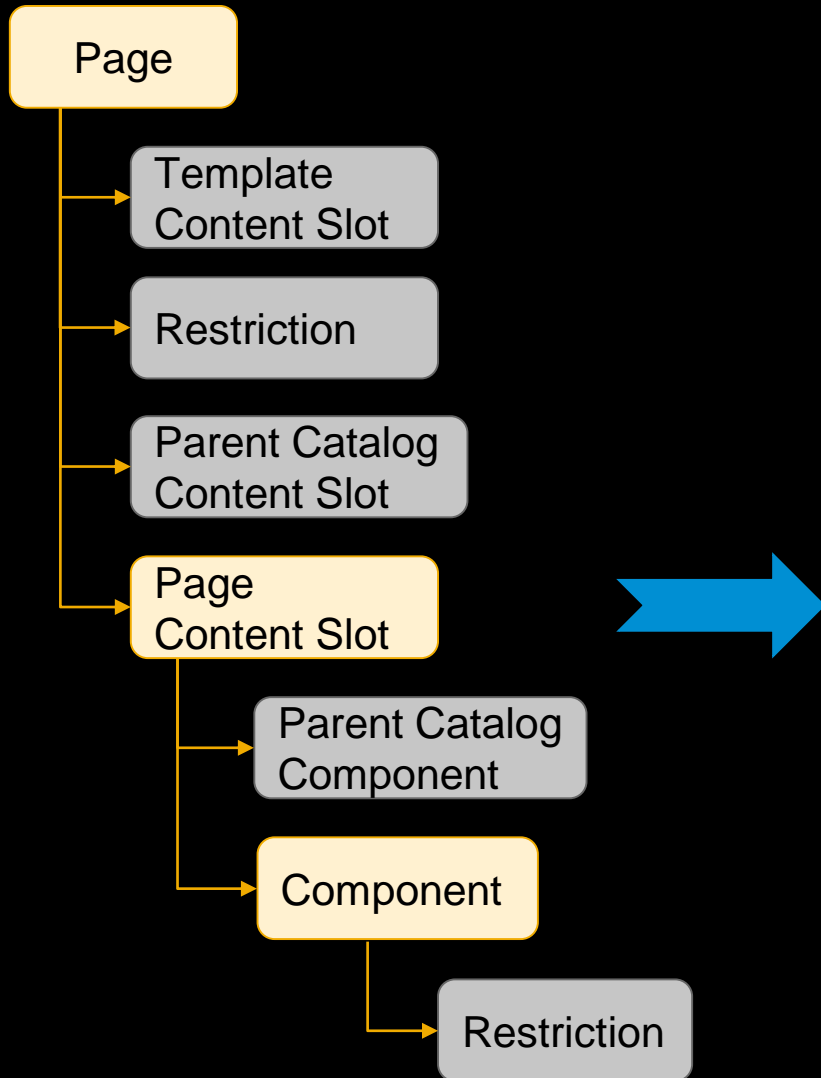
Page Version Payload		
Attribute	Type	Value
uid	String	homepage
homepage	Boolean	true
modifiedTime	Date	1531160550022
pageTemplate	PK	8796127986768
restrictions	PK	8796959277086, 8796128248912
contentSlots ForPage		

Content Versioning - Page Version Payload



Page Version Payload		
Attribute	Type	Value
uid	String	homepage
homepage	Boolean	true
modifiedTime	Date	1531160550022
pageTemplate	PK	8796127986768
restrictions	PK	8796959277086, 8796128248912
contentSlots ForPage	ContentSlotForPage RelationData	Section1::8796128019536, Section2::8796128543824, ...

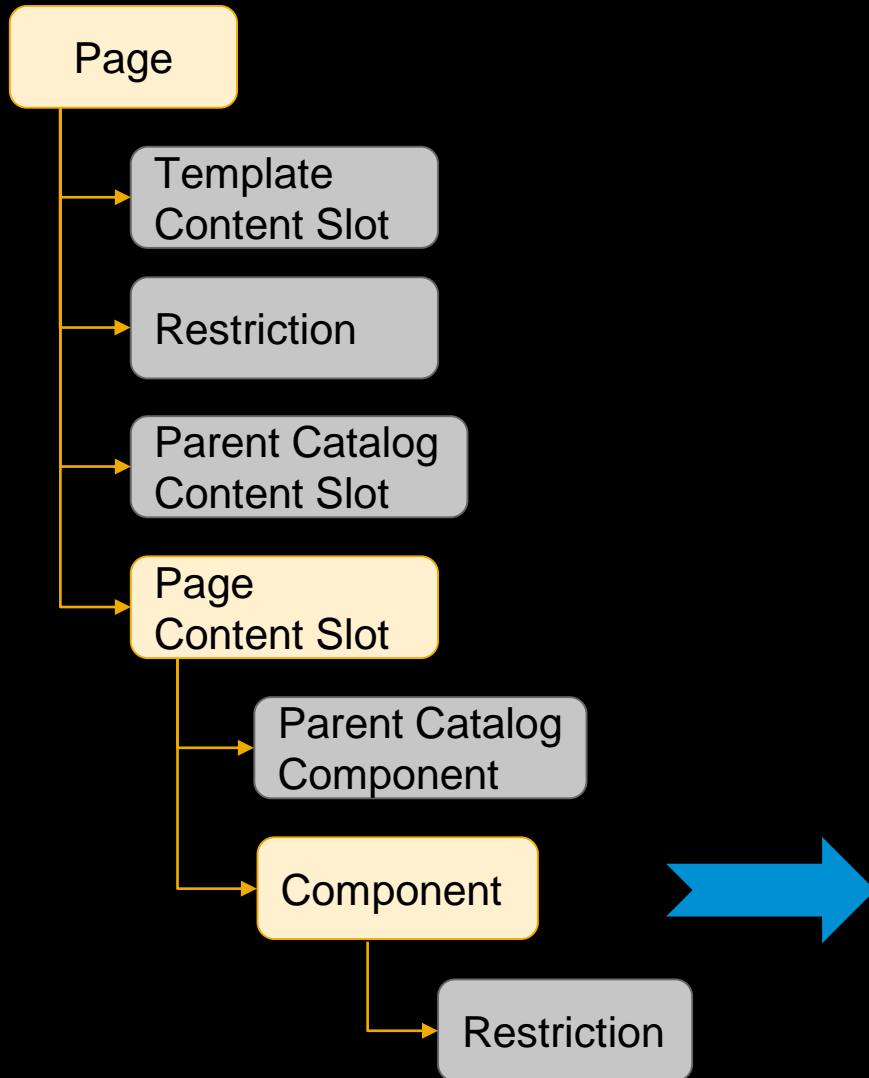
Content Versioning - Page Version Payload



Page content Slot Version Payload

Attribute	Type	Value
uid	String	Section1Slot-Homepage
...
cmsComponents	PK	8796128052304, 8796128379984, 8796128314448

Content Versioning - Page Version Payload



Component Version Payload

Attribute	Type	Value
uid	String	HomepageDiscountBanner
...
restrictions	PK	8796959277086, 8796128248912
media	PK	de : 8796128412752, en : 8796128511056, zh : 8796128445520

Content Versioning **Garbage Collection**

Content Versioning – Garbage Collection

Properties	Default Values
version.gc.cron	every day at midnight
version.gc.enabled	true
version.gc.maxAgeDays	0
version.gc.maxNumberVersions	20

- Properties configurable in **Hybris Administrator Console (HAC)**
- Trigger manual GC jobs in **Backoffice**

help.hybris.com : Content Versioning 

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

```
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

```
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 {}

```

```

@SeComponent({
  templateUrl: 'component1Template.html',
  inputs: ['input1', 'input2']
})
export class Component1 implements ISeComponent {

  constructor(
    private lodash: lo.LodashStatic,
    private someService: SomeService
  ) {
  }

}

```

```

@SeInjectable()
export class SomeService {

  constructor(
    private lodash: lo.LodashStatic,
    private someOtherService: SomeOtherService
  ) {
  }

}

```

Our strategy:

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

Documentation:

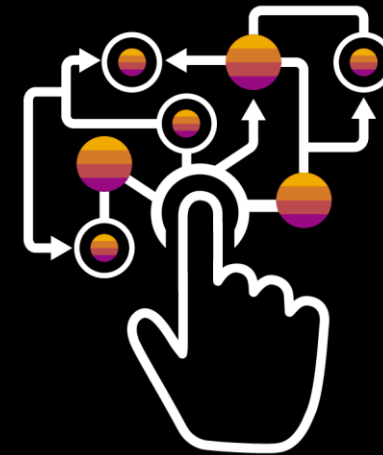
- For more information on Smartedit DI and complex usage, visit the generated ngdoc website:
 1. cd to Smartedit extension
 2. run “grunt ngdocs connect:docs”
 3. visit <http://localhost:9091/#/smartEdit/smarteditServicesModule.object:@SeModule>

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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