



# Resource Set Content Management

v 1.0

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## Background Information

Web sites built on .net have historically used the built-in resource system to store text that can be translated into multiple languages.

While this creates a robust programming model, any changes to these resources required a programmer to edit these files; therefore, a full software re-deploy would need to occur. This creates a lot of friction around the simple task of updating text on the website.

The Exigo Resource Set system combines the best of both worlds. It allows the programming model of using Resource Files along with a Content Management System to change, translate and maintain these.

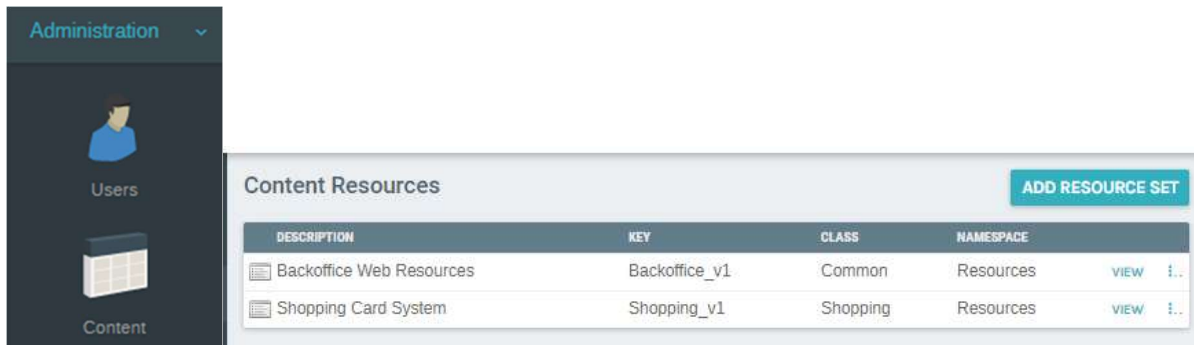
Please note: The Exigo Resource Set Content Management System is only available in admin6 using versions v2019.1.9.4 or greater.

## Overview

### GETTING STARTED

Under the Administration tab there is a new section called "Content".

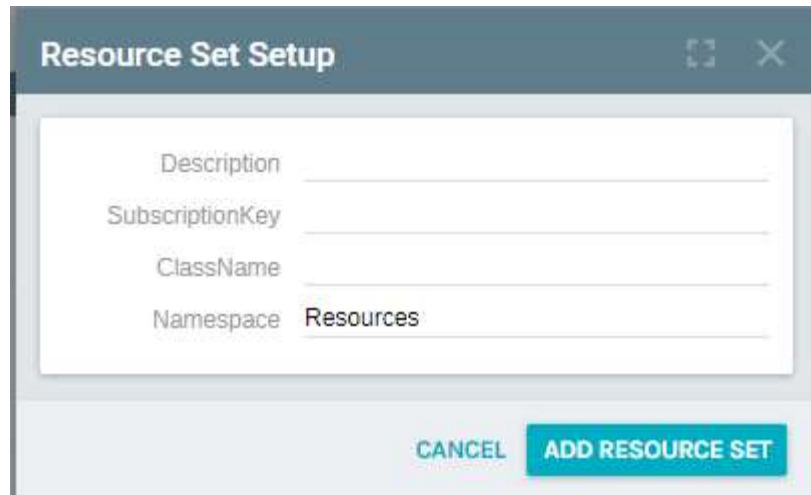
At the top level is a "Resource Set". This has a subscription key assigned, which is used to auto-pull updates from.



The screenshot shows the Exigo Administration interface. On the left is a dark sidebar with a menu containing 'Administration' (selected), 'Users', and 'Content'. The main content area is titled 'Content Resources' and features a table with the following data:

DESCRIPTION	KEY	CLASS	NAMESPACE		
Backoffice Web Resources	Backoffice_v1	Common	Resources	<a href="#">VIEW</a>	<a href="#">:..</a>
Shopping Card System	Shopping_v1	Shopping	Resources	<a href="#">VIEW</a>	<a href="#">:..</a>

An 'ADD RESOURCE SET' button is located in the top right corner of the table area.



**Resource Set Setup**

Description \_\_\_\_\_

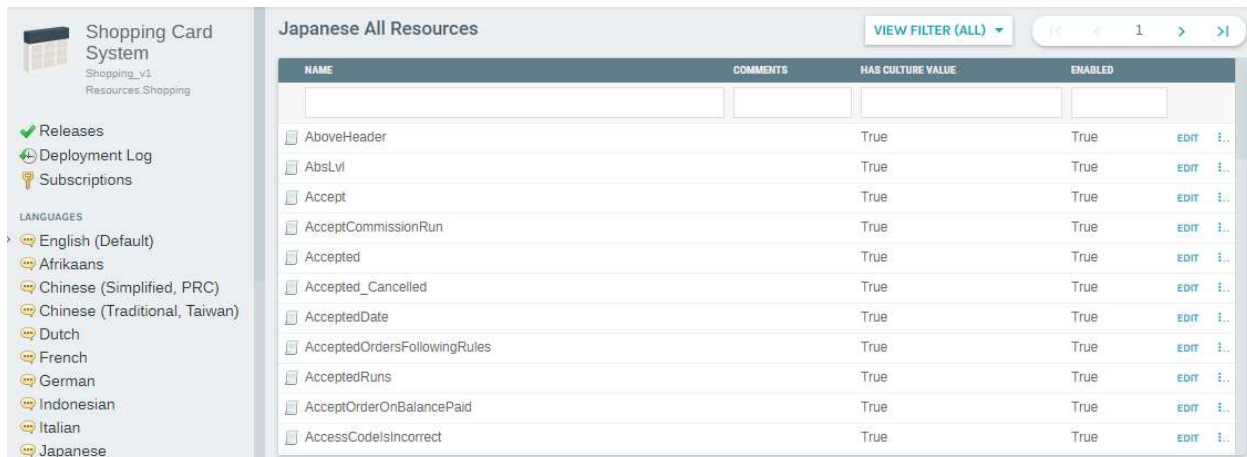
SubscriptionKey \_\_\_\_\_

ClassName \_\_\_\_\_

Namespace **Resources**

**CANCEL** **ADD RESOURCE SET**

Inside one of the Resource Sets you'll find the default lists, along with any cultures you have setup.



**Shopping Card System**  
Shopping\_v1  
Resources.Shopping

- Releases
- Deployment Log
- Subscriptions

LANGUAGES

- English (Default)
- Afrikaans
- Chinese (Simplified, PRC)
- Chinese (Traditional, Taiwan)
- Dutch
- French
- German
- Indonesian
- Italian
- Japanese

**Japanese All Resources**

VIEW FILTER (ALL) | 1

NAME	COMMENTS	HAS CULTURE VALUE	ENABLED		
AboveHeader		True	True	EDIT	⋮
AbsLvl		True	True	EDIT	⋮
Accept		True	True	EDIT	⋮
AcceptCommissionRun		True	True	EDIT	⋮
Accepted		True	True	EDIT	⋮
Accepted_Cancelled		True	True	EDIT	⋮
AcceptedDate		True	True	EDIT	⋮
AcceptedOrdersFollowingRules		True	True	EDIT	⋮
AcceptedRuns		True	True	EDIT	⋮
AcceptOrderOnBalancePaid		True	True	EDIT	⋮
AccessCodelsIncorrect		True	True	EDIT	⋮

## IMPORTING EXISTING RESOURCES

Migrating an existing website to this system is simple as there is an import tool. Simply locate your existing resource folder in Visual Studio and click "Open Folder in File Explorer". Next, select all resource files and "Send to Compressed (zipped) folder". Then select the zip file in the import dialog.

**Import Resource Files** ✖

Upload either an individual resx file or a zip file with all your resources. If uploading a zip file, specify the root class name you are importing from.

This will merge the imported resources with any existing already on this resource set.

ClassName

Zip or Resx file:  No file chosen

## VISUAL STUDIO CONFIGURATION

To get started simply install the nuget package:

```
PM> install-package exigo.resourceset
```

Then in your Application\_Start() add the management command:

```
ResourceSetManager.Start(new ResourceSetUpdaterOptions
{
    SubscriptionKeys = ConfigurationManager.AppSettings["ResourceSet.SubscriptionKeys"],
    EnvironmentCode = ConfigurationManager.AppSettings["ResourceSet.EnvironmentCode"],

    LoginName      = ConfigurationManager.AppSettings["Api.LoginName"],
    Password       = ConfigurationManager.AppSettings["Api.Password"],
    Company        = ConfigurationManager.AppSettings["Api.CompanyKey"],

    LocalPath      = Server.MapPath("~/App_Data"),
    Mode           = ProviderMode.Database
});
```

This plugs in nicely with any existing API credentials you may already have setup. The values of these can also be configured from within Azure itself.

This manager works by updating all your resources in the background when a user creates a "release".

When in debug mode, typically when you are working on it, it will also update a c# class file. It will use the namespace and class name, which you configure. This means that your existing website will continue to run as it always has. Upgrading to this management system should be a few minute process.

## ENVIRONMENTS

Every new resource set will default to a development and a production environment. You can define others as well.

Environments			ADD ENVIRONMENT
ENVIRONMENT	CODE	RELEASE	
Development	dev	2018.8.23.15	EDIT ⓘ
Production	prod	2018.8.23.5	EDIT ⓘ

This means that you can peg your live code to a “Production” environment and be free to make changes that will be released later.

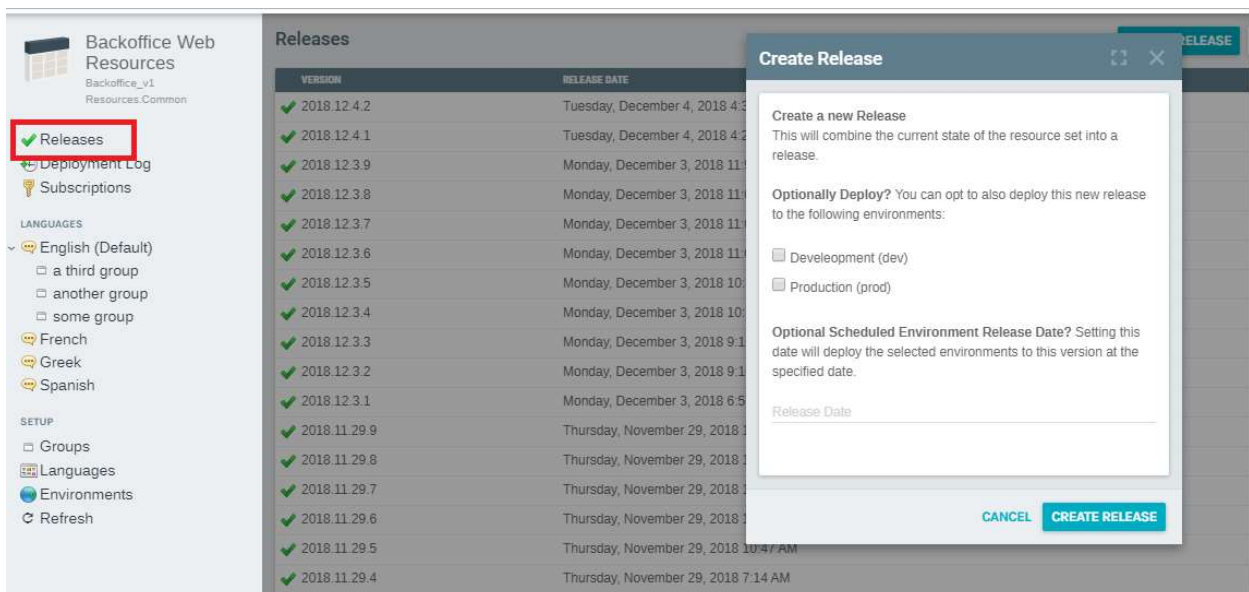
## RELEASES

The publishing of Resource Set changes mirrors how we do our Commission and Order Calc deploys. You can make all the changes you need, then when ready to push, a user will need to “Release”.

Releases				CREATE RELEASE	COMPARE LATEST CHANGES
VERSION	RELEASE DATE	ENVIRONMENTS			
✓ 2018.12.26.6	Wednesday, December 26, 2018 9:35 AM	dev	VIEW	ⓘ	
✓ 2018.12.26.5	Wednesday, December 26, 2018 9:33 AM		VIEW	ⓘ	
✓ 2018.12.26.4	Wednesday, December 26, 2018 9:14 AM	prod	VIEW	ⓘ	

Notice the marking of where each environment is tagged to.

To create a new release:



The screenshot shows the 'Backoffice Web Resources' interface. On the left, a navigation menu has 'Releases' highlighted with a red box. The main content area displays a list of releases. A 'Create Release' modal dialog is open, showing the following options:

- Create a new Release**: This will combine the current state of the resource set into a release.
- Optionally Deploy?**: You can opt to also deploy this new release to the following environments:
  - Deveopment (dev)
  - Production (prod)
- Optional Scheduled Environment Release Date?**: Setting this date will deploy the selected environments to this version at the specified date.
- Release Date**: [Text input field]

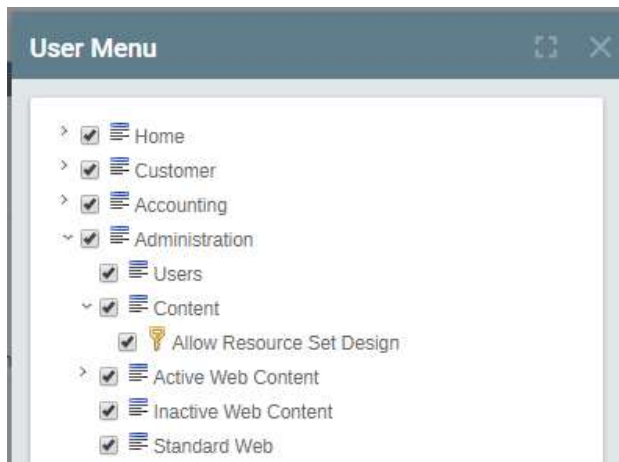
Buttons for 'CANCEL' and 'CREATE RELEASE' are visible at the bottom of the modal.

A release is simply a snapshot in time and will have a unique version number. Then you tag a release to an environment.

Any websites tagged to that environment will notice when a new deploy has been pushed and will download the new resource contents in real-time.

### ALLOW RESOURCE SET DESIGN PERMISSION

Certain features of the Resource Sets will require a rebuild of the portal solution to be usable by the portal. Because of this, a new Permission has been added: Allow Resource Set Design. To assign or remove this Permission, navigate to Administration -> Content under a User's Permissions:



This permission allows access to these tools on the following pages:

Content Resources:

1. Add Resource Set
2. Edit
3. Delete



Default Resources:

1. Add Resource
2. Import
3. Delete

Default Resources

ADD RESOURCE IMPORT

NAME	INVARIANT VALUE	COMMENTS
Ok	Ok	
OurResource	Our changed english value again	Our

Overflow Menu

Delete

Edit Resource Menu:

1. Resource Name
2. Optional Group

Resource

ResourceName Ok

InvariantValue Ok

Comment

Optional Group Buttons

CANCEL SAVE CHANGES

Subscriptions:

1. Remove Subscriptions

Service Machines

ID	INSTALLED	CONFIGURED	ENVIRONMENT	HOST	CHECK IN MINUTES	LAST FROM DATE	LAST FROM IP	COMPONANT
SKTOP-70J753F			dev	OurDemoTest	2,758	9/5/2018 12:26:20 PM -05:00	172.84.255.26	2018.9.3.1

Remove Subscription

Overflow Menu

Groups:

1. Add Group
2. Edit
3. Delete



**Groups** [ADD GROUP](#)

NAME
Buttons <span style="float: right;">Overflow Menu <a href="#">EDIT</a> <a href="#">⋮</a></span>

Delete

Languages:

1. Add Language
2. Delete

**Languages** [ADD LANGUAGE](#)



DESCRIPTION	CULTURE CODE
 Spanish <span style="float: right;">Overflow Menu <a href="#">EDIT</a> <a href="#">⋮</a></span>	es
 French <span style="float: right;">Overflow Menu <a href="#">EDIT</a> <a href="#">⋮</a></span>	fr

Delete

Environments:

1. Add Environment
2. Edit
3. Delete

**Environments** [ADD ENVIRONMENT](#)

ENVIRONMENT	CODE	RELEASE
 Development <span style="float: right;"><a href="#">EDIT</a> <a href="#">⋮</a></span>	dev	(latest changes)
 Production <span style="float: right;">Overflow Menu <a href="#">EDIT</a> <a href="#">⋮</a></span>	prod	2018.9.5.2

Delete