



sitecore[®] symposium

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Multiple ways to Multisite Solutions

How to Truly Build a Multisite Solution

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Case Study

- 60 small to large sites
- 4 different agencies
- 3 different time zones
- Distributed Authoring
- Distributed Delivery
- Different Release Dates



Challenge 1

We needed to efficiently manage a Sitecore solution with many sites

Possible Answer

<sites>



Challenge 2

We needed to manage multiple agencies

Possible Answer

Governance/Good Communication



Challenge 3

We wanted to take full control of our
deployment process

Possible Answer

External Tools



Challenge 4

We needed to manage site isolation and stop sites clashing with one another

Possible Answer

Governance/Diligence



The Solutions

- Sitecore Foundry 4
- The Manual Sitecore Way
- Building A New Tool



Foundry 4 (new!)

- Significantly speeds up the process
- Manages a number of websites
- Organizational control
- Local control



Foundry 4 Features

- Integrated with CMS 6.6
- Standard CMS 'Page Editing' experience
- New (WCAG) site design
- Major usability changes
- Performance improvements
- Search based on Sitecore.Search
- New data source based spots



Foundry 4 Features

- New Security Roles
- Script option in Wizard
- Separate package installation
- WFFM support
- Advanced CSS Factory
- Changes to site creation
- Multiple domain/hostname support



DEMO 1 : Foundry

1. Foundry Control Center
2. Page Editor Experience
3. Creating a new Site



Solution?

We needed a different solution



Custom Sitecore Extension

Automate as much as possible



Custom Sitecore Extension

The Idea



DEMO 1 : The Tool

1. Site Construct
2. Automatic Organisation
3. Item Inheritance, Overrides, Promotion
4. Deploy Targets
5. “Create New Site” with Rocks
6. Site Stub / References



Site Inheritance

Completing the last piece of the puzzle



Deployment Targets

- Installs your site items and code base over a base Sitecore solution.
- Inbuilt smoke tests for determining incompatible targets.
- Upgrade path made much easier



DEMO 2 : Deployment

1. Export Solution (share DB/App Pool)
2. Export Project (isolated DB/App Pool)
3. Deployment Pipeline / Rocks Task Lists
4. Environments
5. Auto Deployment
6. Anti-Packages in Rocks



DEMO 3 : Isolation

1. Include Config Files
2. Site-bound Config Patches
3. Shared or Isolated Security
4. Ownership



Site-bound Config

```
<processor type= ***._301redirect, SiteManager >  
  <sites hint= list:ResolveSite >  
    <siteInclude>*</siteInclude>  
    <siteExclude>newscorp</siteExclude>  
    <siteExclude>mediatrak</siteExclude>  
  </sites>  
</processor>
```



Site Aware Abstract Classes

- SiteHttpProcessor : HttpRequestProcessor
- SitePreprocessorRequest : PreprocessorRequest
- SiteEventArgs : EventArgs
- SiteLinkProvider : LinkProvider
- SiteAgent
- ...many more



Tricky Configuration Inheritance

```
<location path="sitename"  
inheritInChildApplications="false">
```

```
<system.web>
```

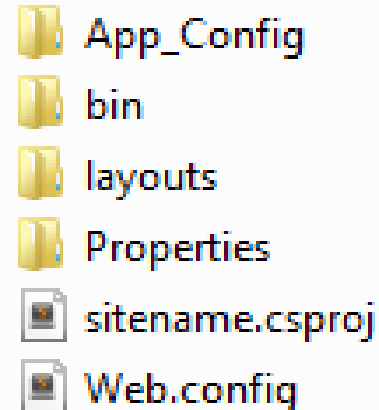
```
<!-- LOGGING SETTINGS
```

Place things here that ONLY are to run
under your site.

```
-->
```

```
</system.web>
```

```
</location>
```





Target Directory Configuration

```
<location path="sitename\layouts">
```

```
<system.web>
```

```
<clear/>
```

```
<!-- LOGGING SETTINGS
```

Settings here will only run for layouts for your site

```
-->
```

```
</system.web>
```

```
</location>
```




DEMO 4 : Cross App Pool Communication

1. Distributed Cache/Session Management



Cross App Pool Communication

Initialise

```
var distCacheManager = new DistributedCacheManager();
```

Register

```
DistributedCacheManager.AddCacheKey("Name", "Tim");
```

Fetch

```
DistributedCacheManager.GetCacheKey("Name")
```



What this gives you?

- Treat your items like a VS Solution
- Auto-organisation
- Isolation
- Infrastructure dependant deployment



Why Foundry 4

- Prebaked Themes
- IIS Tool
- WCAG Compliance OOTB
- Generate Sites



When custom extensions?

- Clean slate, nothing pre-baked
- Deployment Tools
- Site Isolation
- Site Inheritance



Now...for the fun

Sitecore Foundry 4 is currently on the SDN

sdn.sitecore.net/Products/Foundry/Foundry 4.aspx

**Custom Extensions released as Site Manager!
Available on GitHub**

github.com/jerrong/Sitecore-Multisite-Manager

Current 6.4 - 6.6 support



Summary

1. Many Solutions

2. Foundry 4

3. Site Manager



Questions

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