

The complete development lifecycle

Content Hub

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macaw

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EAT
SLEEP
CODE
REPEAT.

Welcome

The complete development lifecycle
Content Hub

SITECORE®
SYMPOSIUM
2022

**MEET
EVERY
MOMENT**

October 17-20

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#SitecoreSYM



Ronald van der Plas

Technology Consultant, Macaw

- Competence Lead Content Hub
- 2 times Sitecore Technology MVP
- 15+ years of experience
- Started programming with .NET Framework 1.1 C#
- Loves learning new things

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Agenda

- 01 Development Lifecycle
- 02 Habitat
- 03 Desired situation
- 04 Challenges
- 05 How do we prevent headaches?!
- 06 Summary
- 07 Questions and answers

**MEET
EVERY
MOMENT**

With a new tool, comes new headaches.

How to prevent yours!

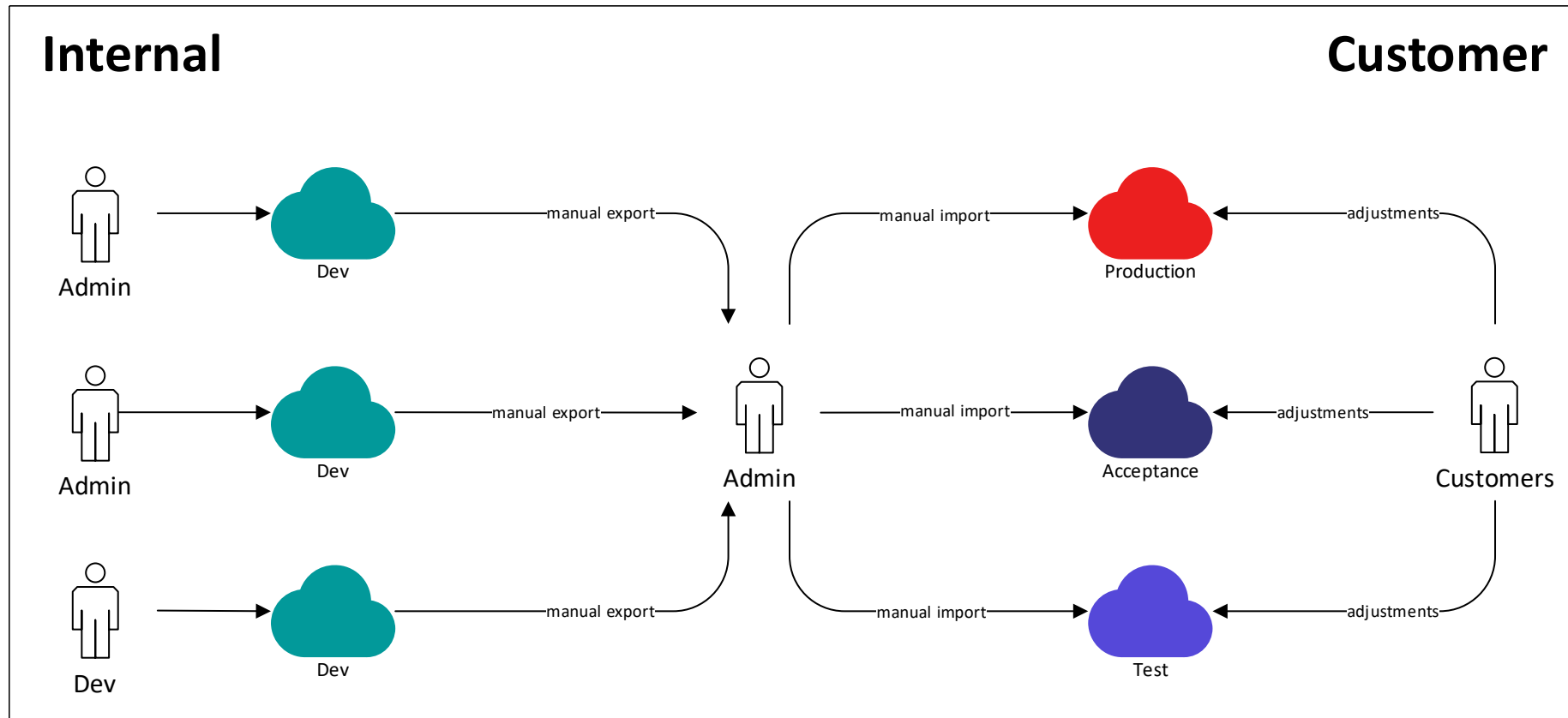
Ronald van der Plas

1. Development Lifecycle

The agile way



2. Habitat



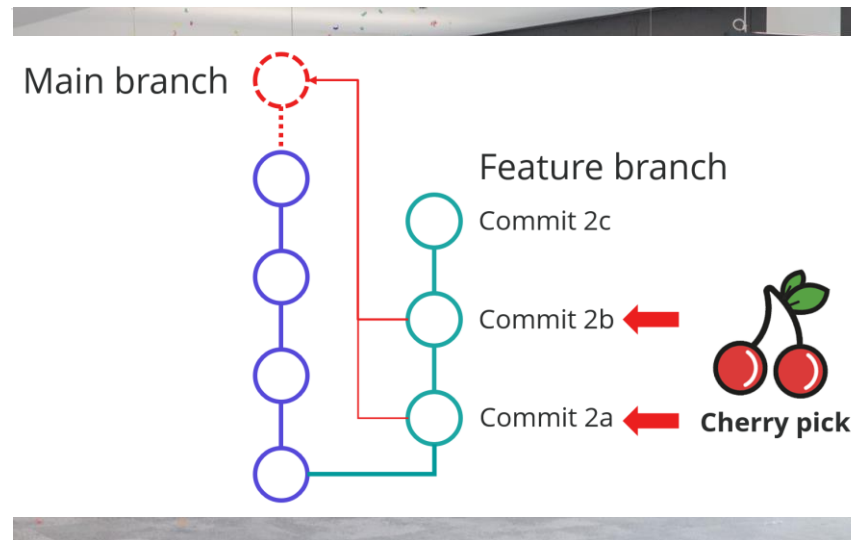
3. Desired situation

Export config
Full configuration

Merge config
Cherry pick changes

Packaging

Deploy TAP




TAP
Test, **A**cceptance, **P**roduction

4. Challenges

- Manual export of Content Hub configuration
- No cherry-picking of changes, only by category
- No history of changes
- Changes coming from multiple environments
- Manual creation of entities, result: possible mismatching identifiers
- Only rollback of configuration via Sitecore support
- Manual import of Content Hub configuration

← Import/Export

Export

 modified after

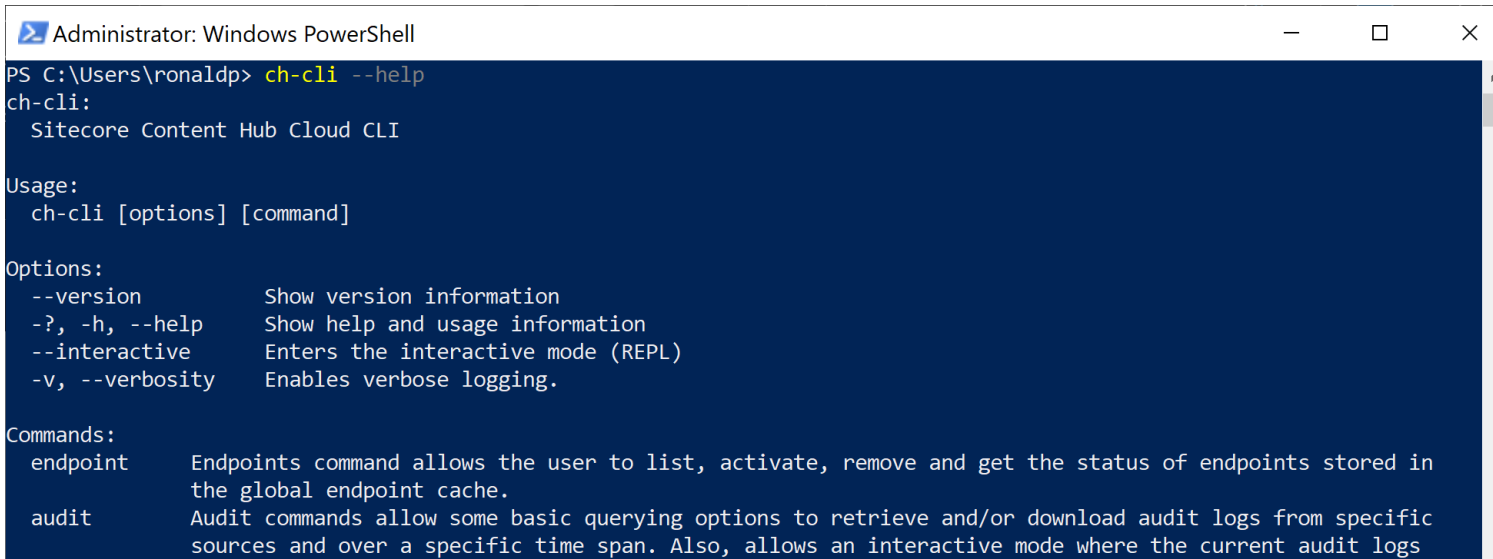
```
{
  id: 11520,
  identifier: "M.Script.CMP.Campaign.Impact",
  cultures: [
    "en-US"
  ],
  properties: {
    M.Script.Name: "CMP - Campaign - impact",
    M.Script.Type: {
      identifier: "Action",
      labels: {
        en-US: "Action"
      }
    },
    M.Script.Restricted: true,
    M.Script.Description: null,
    M.Script.Enabled: true,
    M.Script.HasDraft: false
  },
  Transformations: true,
  Triggers: true
}
```

Export

5. How do we prevent headaches?!

Challenge 1 – Manual configuration export

- Use Content Hub CLI (Command Line Interface)
- It performs operations like package export/import
- It facilitates editing, compiling and publishing scripts
- And more...



```
Administrator: Windows PowerShell
PS C:\Users\ronaldp> ch-cli --help
ch-cli:
  Sitecore Content Hub Cloud CLI

Usage:
  ch-cli [options] [command]

Options:
  --version          Show version information
  -?, -h, --help     Show help and usage information
  --interactive      Enters the interactive mode (REPL)
  -v, --verbosity    Enables verbose logging.

Commands:
  endpoint           Endpoints command allows the user to list, activate, remove and get the status of endpoints stored in the global endpoint cache.
  audit              Audit commands allow some basic querying options to retrieve and/or download audit logs from specific sources and over a specific time span. Also, allows an interactive mode where the current audit logs
```

Challenge 1 – Manual configuration export

How to use the Content Hub CLI?

- Install it via Chocolatey
 - `choco install sitecore.ch.cli --source https://slpartners.myget.org/F/m-public/api/v2`
- Add endpoint in CLI
- Export package via CLI
 - `ch-cli system export --type AutomationTemplates|[etc] --wait --order-id`

Challenge 2 – Cherry pick changes & history of changes

- Use a code repository
- Use a branching strategy
- Set branch policies

- Very important, **unzip** the export package!
- Create a baseline with a **full** export package

- Verify changes with a Git compare tool

Challenge 3 – Update environments

Use Content Hub CLI

How to use the Content Hub CLI?

- Import package via CLI
 - `ch-cli system import --source "c:\package.zip" --wait --job-id`

Challenge 4 – Automate the process



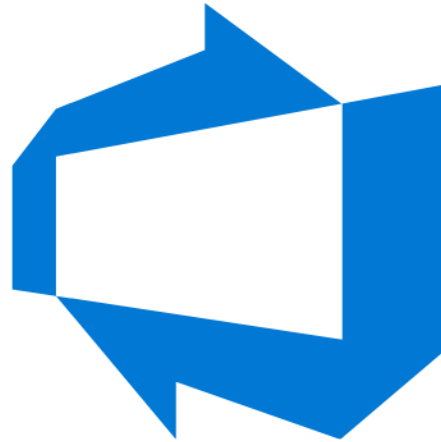
Azure Boards



Azure Repos



Azure Artifacts



Azure DevOps

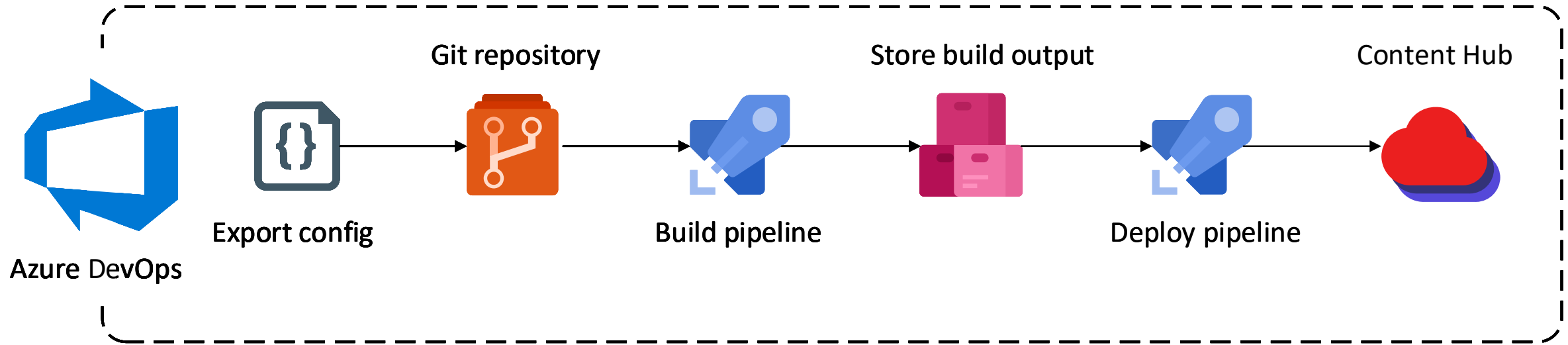


Azure Pipelines



Azure Test Plans

Challenge 4 – Automate the process



```
Settings
20 --task: ArchiveFiles@2
21 --inputs:
22 |...rootFolderOrFile: '$(build.artifactstagingdirectory)/merged/'
23 |...includeRootFolder: true
24 |...archiveType: 'zip'
25 |...archiveFile: '$(Build.ArtifactStagingDirectory)/merged/$(Build.BuildId).zip'
26 |...replaceExistingArchive: true
27
Settings
28 --task: PublishBuildArtifacts@1
29 --inputs:
30 |...PathToPublish: '$(Build.ArtifactStagingDirectory)/merged/$(Build.BuildId).zip'
31 |...ArtifactName: 'drop'
32 |...publishLocation: 'Container'
```

7. Summary

- Start small, dream big!
- Use Content Hub CLI
- Use a GIT repository, with a branching strategy
- Be flexible, use something like Agile
- Use Azure DevOps build & release pipelines
- Automate everything you can
- Stay hungry, Stay foolish!

8. Questions and Answers

Thank you

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That's all Folks