



SUGCON Europe 2019 follow up



SUGCON
EUROPE 2019

Sebastian Tecsı

- Sitecore Architect
- Sitecore MVP 2018, 2019
- Certified in Sitecore 5, 6, 8 and 9
- First contact Sitecore 4.3
- Working with Sitecore for 10+ years



Twitter: @sebastiantecsi

Blog: <https://xtremdev.wordpress.com/>

MVP
Technology 2019



MVP
Technology 2018





Opening Keynote Donovan Brown from Microsoft

Azure DevOps introduction

- Azure Boards
- Azure Pipelines
- Azure Repos
- Azure Artifacts

Get started you can visit azure.com/devops

Opening Keynote Donovan Brown from Microsoft

DevOps before and after. :)





Sitecore Host: Architecture and Plugin Design

Speakers: Kieran Marron & Stephen Pope

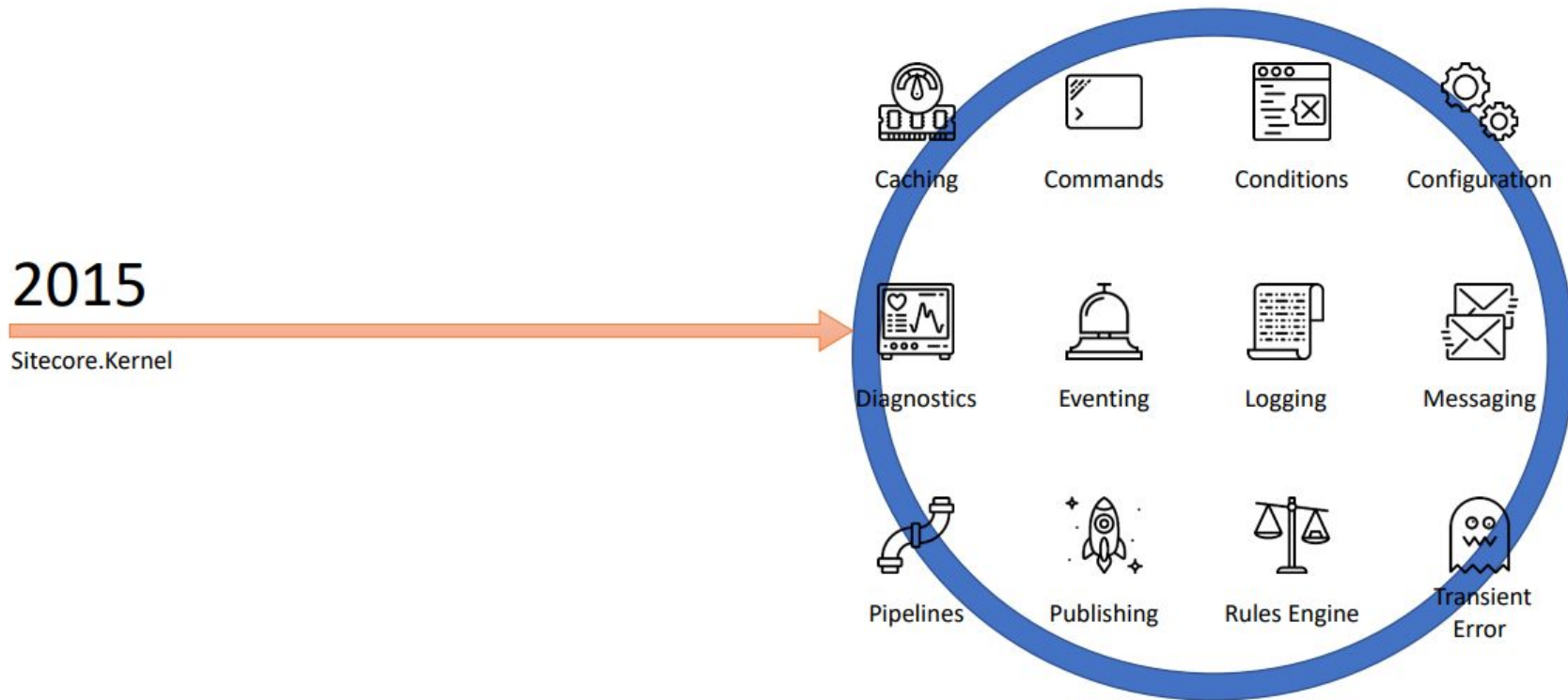
A Sitecore service is a piece of functionality or a feature that runs separately, outside of the main Sitecore CM or CD role.

A Sitecore Host plugin is a extensibility unit that you can load into a Sitecore Host application dynamically, without having to change or recompile any part of the base code.

<https://doc.sitecore.com/developers/91/sitecore-experience-management/en/sitecore-host.html>

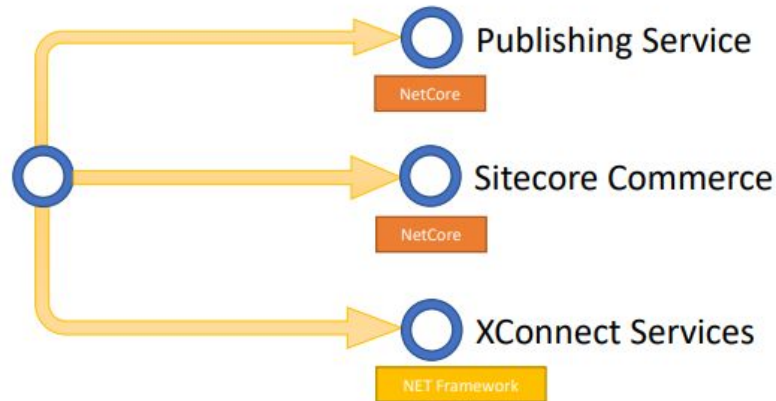
2015

Sitecore.Kernel



2016

Sitecore Framework



Host History

Publishing Service

Sitecore Commerce



Sitecore Identity

NetCore

Horizon

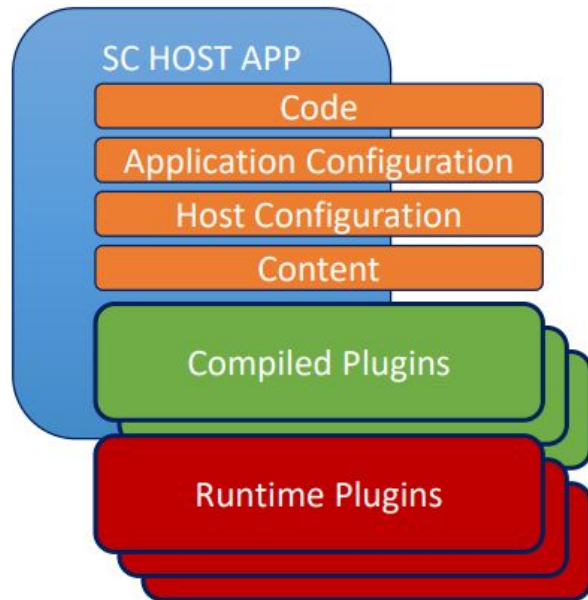
NetCore

Universal Tracker

NetCore

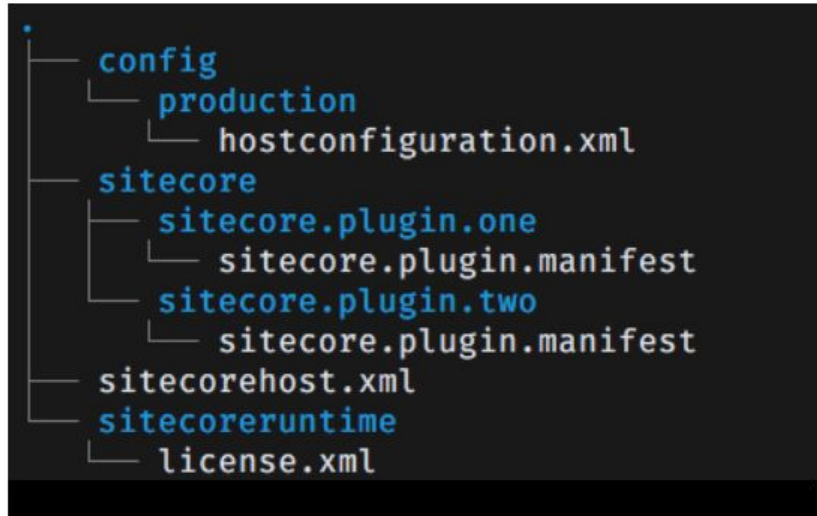


Host – Key Concepts

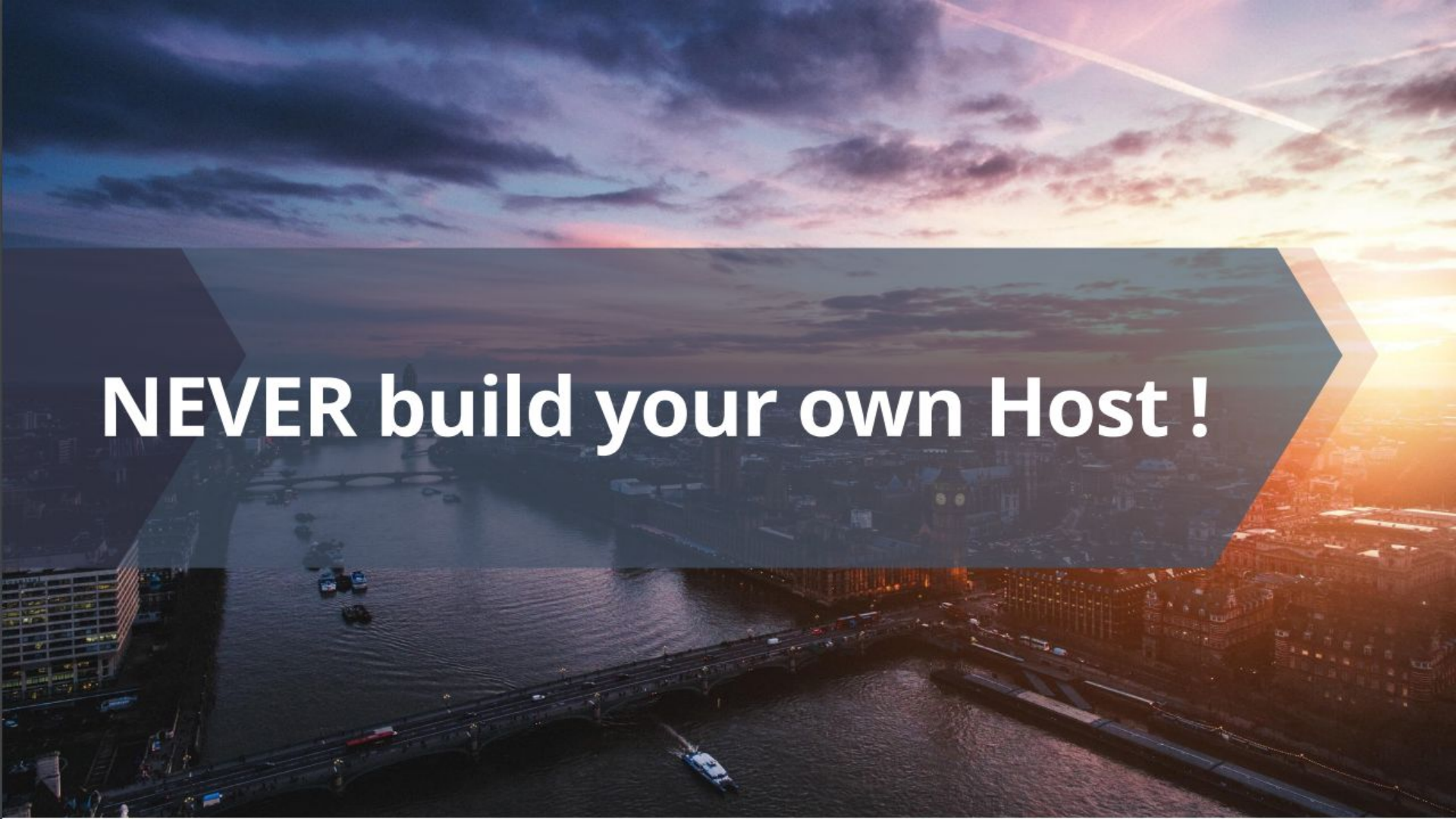


Host - Application structure

- Application Content and overrides
- Application Config and overrides
- Sitecore folder
 - Compiled Plugins
 - plugin.manifest
- Host config (sitecorehost.xml)
- User area (sitecoreruntime)



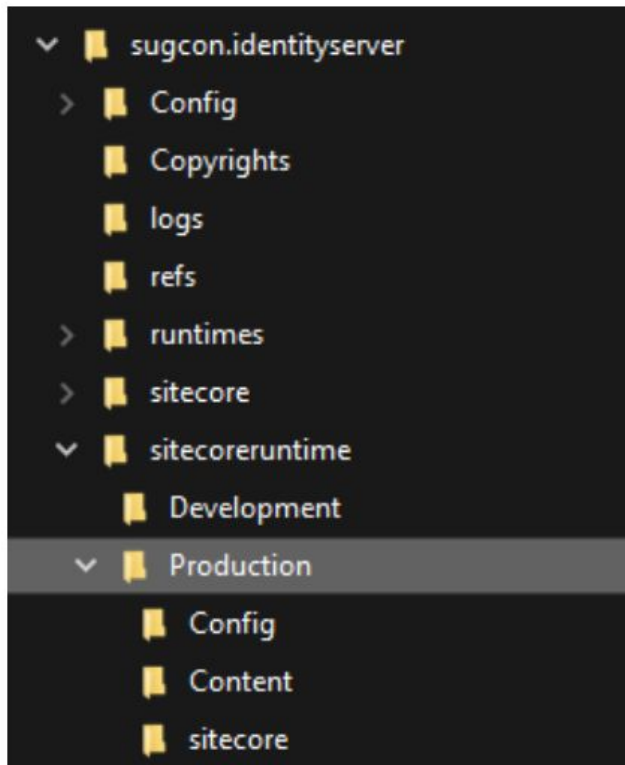
- ISitecoreHostingEnvironment
 - Host configuration and environment information
- ISitecoreLifetime
 - Signals termination of host instance
- ISitecoreConfiguration
 - Runtime configuration for plugins and features
- ISitecorePluginManager
 - Resolves order of plugin loading and identifies plugin locations
- ISitecoreFileManager
 - Dynamic resolution of physical assets from all plugins and environments
- ISitecoreCommandManager
 - Invokes registered commands

An aerial photograph of a city at sunset. The sun is low on the right side, casting a warm orange glow over the city and the water. The sky is filled with dark, dramatic clouds. A large, semi-transparent dark blue arrow-shaped overlay points from the left towards the right, containing the text "NEVER build your own Host !". The city below features a river with several bridges, including a prominent stone bridge in the foreground. Buildings are visible along the riverbanks, and a few boats are on the water.

NEVER build your own Host !



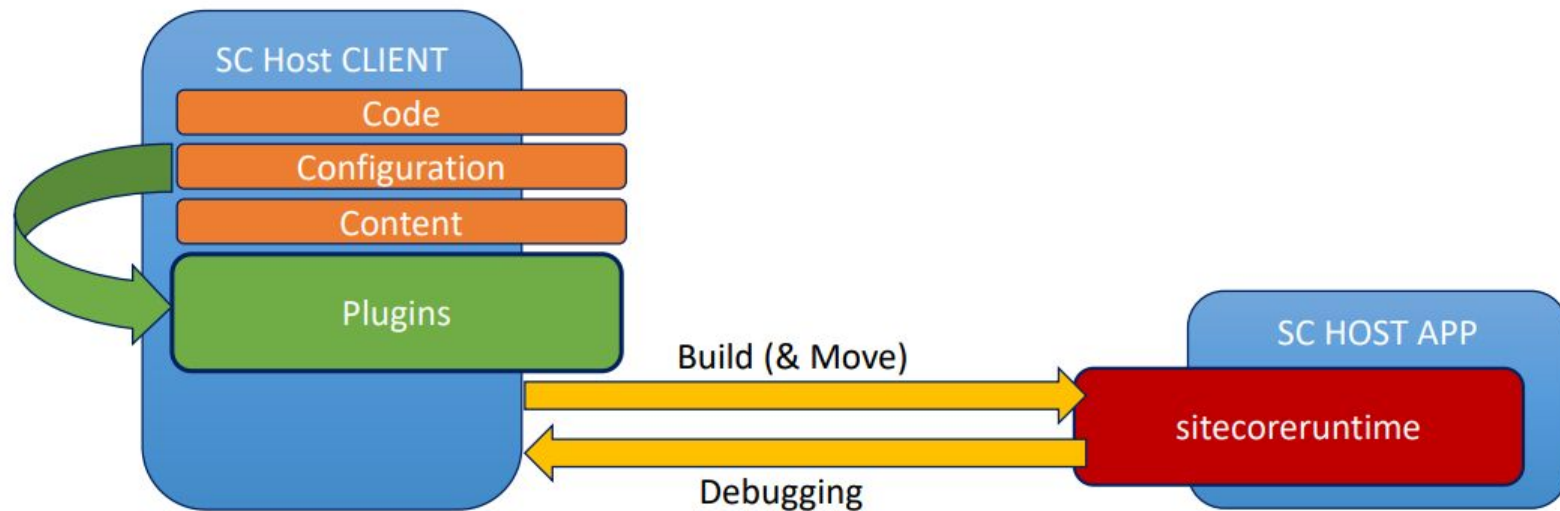
- Sitecoreruntime is the *customer* folder.
- Location for the license.xml.
- Also the location for custom environments.
- Each environment mirrors the host app structure.
- Each environment overrides configuration, content from the original host.
- Environments can also register their own plugins.



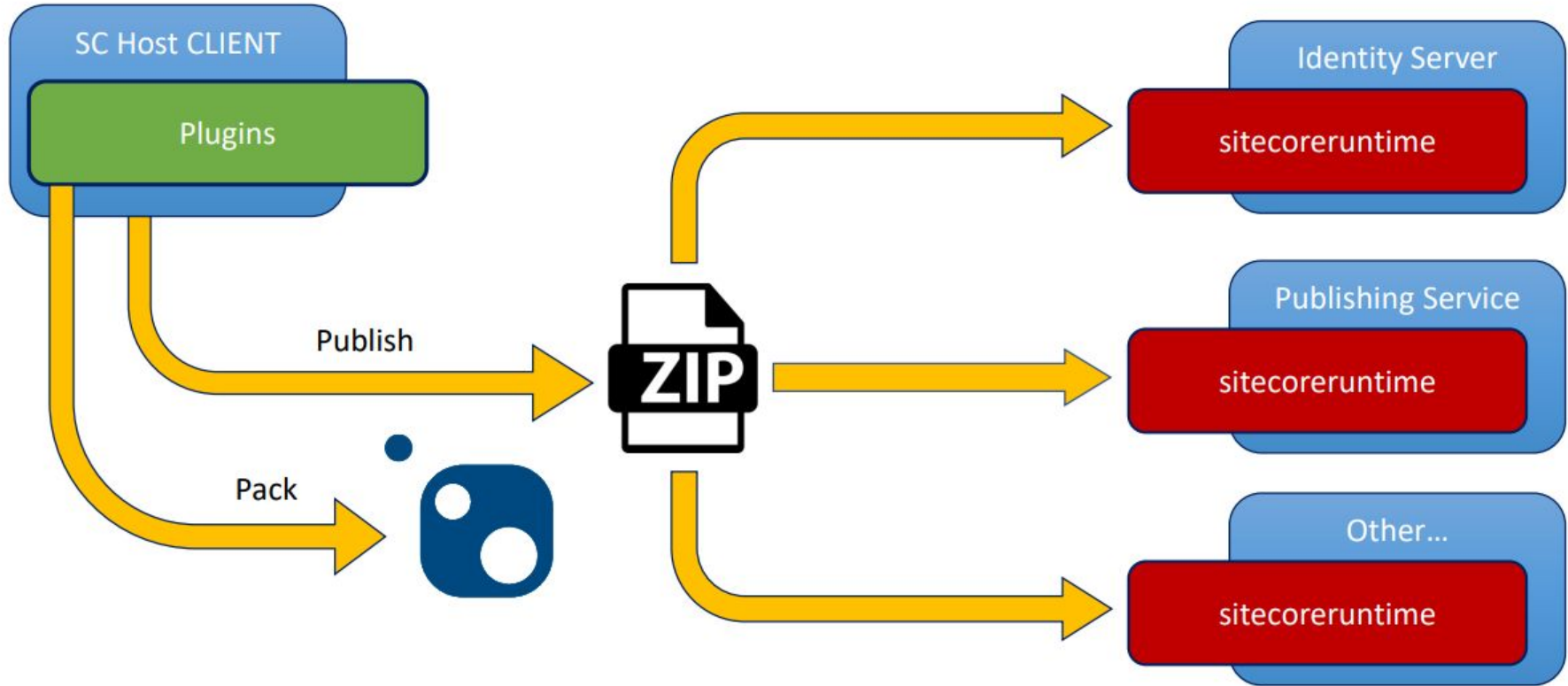
An aerial photograph of a city at sunset. A large bridge spans a wide river, with several boats visible on the water. The city buildings are illuminated by the warm glow of the setting sun, and the sky is filled with colorful clouds. A dark, semi-transparent arrow-shaped overlay points from the left towards the right, containing the text.

Sitecoreruntime is yours
Leave everything else alone!

Introducing : Sitecore Host Client



Publish where needed



- Start with *Sitecore.Framework.Runtime.Build*
 - Creating plugins the same way we do.
 - New features to help publish custom assets.
- *Always use a host client project* to encapsulate requirements and debug against a running instance
 - Debug within the sitecoreruntime folder.
 - Use launchsettings to help debug different scenarios.
- Pack to share implementation
 - Share features as plugins, re-use across multiple projects
 - Share with the community!
- Publish to deploy
 - Deploy host, copy publish assets into runtime.



Automated Helix Template Architecture Validation and Documentation Built Right into your CI Pipelines with SitecoreDXG

SitecoreDXG: The Documentation Experience Generator

The Sitecore Documentation Experience Generator is a Sitecore template architecture visualization and documentation tool from the SitecoreUML family

<https://github.com/zkniebel/SitecoreDXG>



Automated Helix Template Architecture Validation and Documentation Built Right into your CI Pipelines with SitecoreDXG

SitecoreDXG comes from the SitecoreUML family and includes some of the same features and functionality, but the two are vastly different.

- SitecoreDXG and SitecoreUML **do not share any of the same code**
- **SitecoreDXG was built specifically to be used without any GUI** tools, whereas SitecoreUML is heavily dependent on the GUI provided by the StarUML IDE
- **SitecoreDXG can be called directly from CI/CD pipelines**, meaning that it **can be run automatically without any manual intervention**, whereas SitecoreUML requires users to manually import architectures from Sitecore and then export the architecture to HTML documentation
- **SitecoreDXG does not require users to install and learn a new IDE/program** in order to use it, is **completely CLI-driven** and can be **called by a single command**; whereas SitecoreUML requires users to install and learn StarUML and the SitecoreUML tools within the StartUML IDE in order to use it
- **SitecoreDXG does not suffer from run-time rendering performance penalties during template import and diagram generation**, and is thus **significantly** faster (similar to the benefits of using the VirtualDOM provided by React.js)
- **SitecoreDXG proves helix validation tools** that validate template inheritance/dependencies against the Helix guidelines, whereas SitecoreUML does not
- **SitecoreDXG provides additional helix diagrams** that enable users to **review granular pieces of the architecture at the layer, module or module template level**, whereas SitecoreUML does not

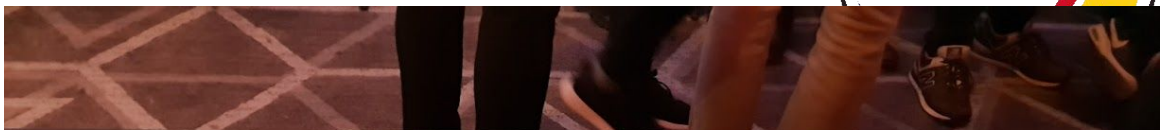
Helix mutations and changing habitat

Speaker: Nick Wesselman



2019 MVP Award Ceremony





Congratulation to everyone!



10x Your Sitecore Development

Speaker: Mark Cassidy





16 Tools for Your Sitecore Tool Belt

Speaker: Jean-François L'Heureux

Installation

1. Sitecore Instance Manager (SIM Tool)
2. SIF Explorer
3. VS Code SIF Snippets Extension
4. SIF-Less



16 Tools for Your Sitecore Tool Belt

Development

5. Sitecore Rocks
6. Sitecore Rocks VS Code
7. Sitecore Icon Search (browser extension)
8. Sitecore PowerShell Extensions (SPE)
9. Sitecore Developer Toolbar
10. Sitecore Developer Tool
11. Sitecore Extensions (browser extension)
12. Plumber



16 Tools for Your Sitecore Tool Belt

Troubleshooting

- 13. Sitecore Config Builder
- 14. Sitecore Log Analyzer (SCLA)
- 15. Pipeline.Debug
- 16. Universal Debugger

Bonus

- 17. Sitecore Version Detector (browser extension)

All links are here on Jean's blog:

<https://www.jflh.ca/2019-04-05-16-tools-for-your-sitecore-tool-belt>

Measure if you want to go faster

Speaker: Jeremy Davis

- Use Sitecore Debug
-



Conclusions from all this...



SUGCON
EUROPE 2019

- You already have tools – listen to them
- Measurements give you data to:
 - Prioritise what to optimise first
 - Prove your optimisations were useful
- Make some time in your day to measure!



Sitecore 9.2 the hidden bits

Speakers: Pieter Brinkman

Innovations from the JSS Team

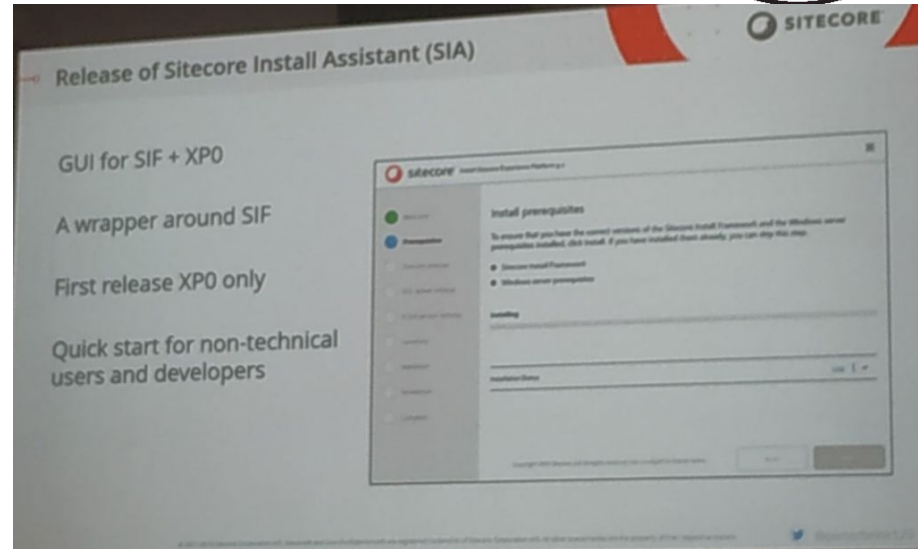
- Version 9.2 will allow developers to use SXA and JSS together
- JSS client sites and Sitecore Forms will be fully integrated
- JSS Rendering Host will not require Windows for local development



Sitecore 9.2 the hidden bits

The Release of SIA — Sitecore Install Assistance

This simple GUI is a kind of wrapper over SIF that will allow even non-technical users to perform a quick start. The first release of SIA will be available only for XP0.





Sitecore 9.2 the hidden bits

Helix

- New samples and UX designs
- A simpler VS project structure
- The guidance for Commerce and xConnect



Sitecore 9.2 the hidden bits

Rainbow Format for Serialization

Instead of the current Sitecore serialization format, a well-known Rainbow library will be used. Thus, item data will be YAML-formatted by default.



Sitecore 9.2 the hidden bits

Search Will Change

- Better control of field indexing in Azure Search
- **The Lucene search engine is officially announced obsolete**
- Brand new Sitecore search role



Sitecore 9.2 the hidden bits

Tracker Improvements

- Reduced number requests to xConnect
- Server role assignments
- Session:end improvements



Sitecore 9.2 the hidden bits

Robot Detection

- Updating detection to identify malicious bots
- Improved personalization rules triggered on robot traffic
- Improved analytics to filter out bot traffic

Sitecore 9.2 the hidden bits

Active Personalization Report

Will give users active personalization and related details.



Thank you!



[**https://www.sugcon.eu/video-downloads/**](https://www.sugcon.eu/video-downloads/)

Thank you!



Q&A