

### SUGCON Europe 2019 follow up



#### Sebastian Tecsi

- 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/







# Opening Keynote Donovan Brown from Miorosoft

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

#### **Host History**





Caching

**////** 

Commands



Conditions



Configuration

2015

Sitecore.Kernel



Diagnostics



Eventing



Logging



Messaging



**Pipelines** 



Publishing



**Rules Engine** 

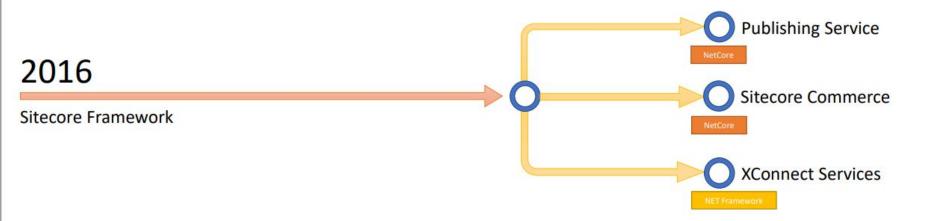


Transient Error



#### **Host History**

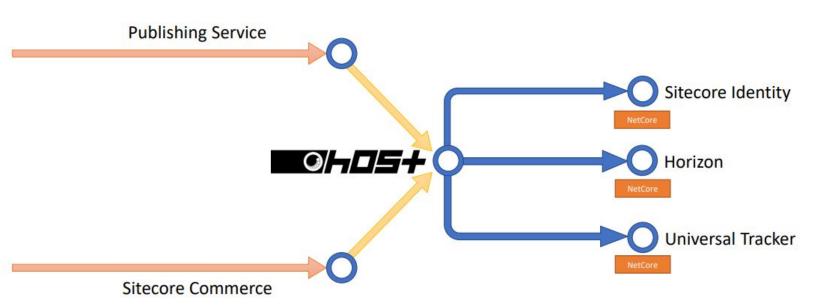






#### **Host History**

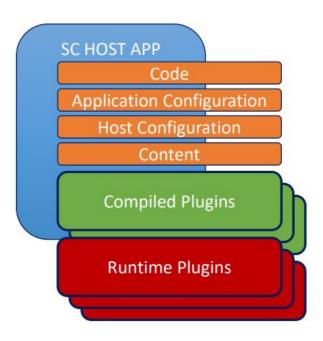






#### **Host – Key Concepts**







#### **Host - Application structure**



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

```
config
    production
    hostconfiguration.xml
    sitecore
    sitecore.plugin.one
    sitecore.plugin.two
    sitecore.plugin.manifest
    sitecore.plugin.manifest
    sitecore.plugin.manifest
    sitecore.plugin.manifest
    sitecore.plugin.manifest
    sitecore.plugin.manifest
```

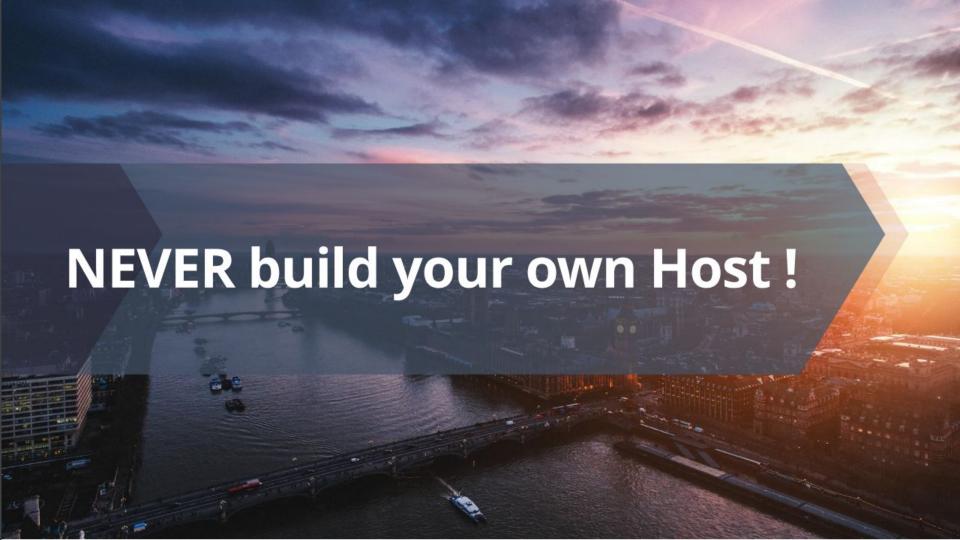


#### **Host services - Out of the box**



- ISitecoreHostingEnvironment
  - Host configuration and environment information
- ISitecoreLifetime
  - Signals termination of host instance
- ISitecoreConfiguration
  - Runtime configuration for plugins and features

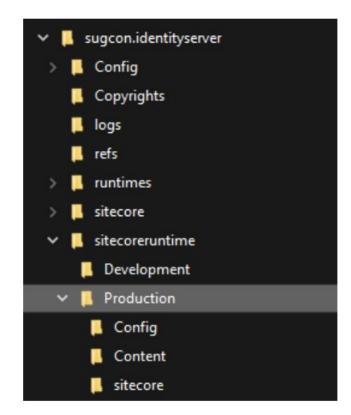
- ISitecorePluginManager
  - Resolves order of plugin loading and identifies plugin locations
- ISitecoreFileManager
  - Dynamic resolution of physical assets from all plugins and environments
- ISitecoreCommandManager
  - Invokes registered commands



#### SitecoreRuntime Folder



- 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.

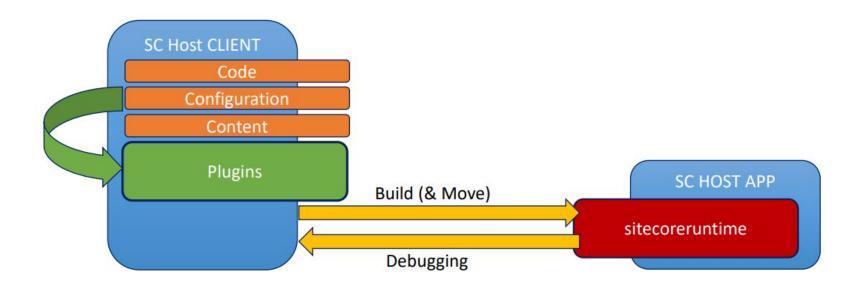






#### **Introducing: Sitecore Host Client**

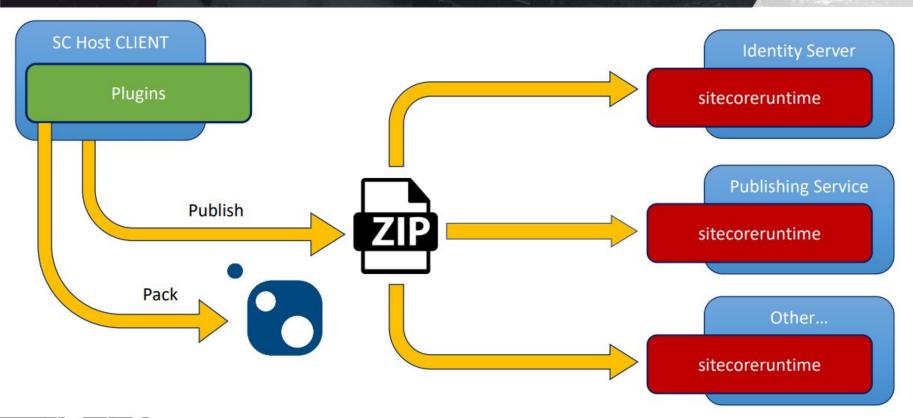






#### **Publish where needed**







#### Conclusion



- 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 Documention 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 Documention 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





# 2019 MVP Award Ceremony





# Congratulation to everyone!

Eric Orton
morge Tucker
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Eric Orton
Eric

Isabia Tinoda
Ramibi Giraj
Ramibi Giraj
Simon Langein
Ben Lipson
Onis Wildom
Ramibi Bernan
Kamus Bernan
Mahamesi Krimas
Mahame

Alam Contest

Anders Laub Christoffersen
Bo Breiting
Brian Pedersen
Per Manniche Bering
Rasmult Schaggard Moranter
Thomas Scen
Valodyrnyr Hill
David Calley

Richard Labis
Sandaga Morle
Frédéric Lapanda
Maria Perchey
Jonathan Boho
Elmon Schwamm
And Goljams
Christophan Wojckoh
Dengun Shawchanha
Friederich Heinin
Sabastian Wolser
Sodin Gollaher
Golfan Sandarian
Kasan Genste
Bahul Richale
Bahul Richale
Arindita Bhatancharja
Arindita Bhatancharja

Anno-Junah Patali Delarish Patali Bopisrishna Reddy Gujjula Kitan Patil Mohamad Moarrudean Hotah Schwatzer Chris Loomidea Kassuyuki Ogura Luke Costigan Yoshibaru Anla Apal Assure Hiroyu'li Kondo Kassuhaa Suda

Kasuhitas Suida Kangon Nisgal Masato Isroda Nerhida Tolanyama Ryura Wasanabin Sarashi Masawanga Talasahi Kasuo Talasahi Kasuo Talasahi Sagaran Talasahi Sagaran Talasahi Sagaran Talasahi Cinglin Sarashi Cing

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Zanta Rujar
Dusta Abu Gharbah
Ishvel Al Frashsh
Mahammas Syam
Robbert Hospi Vaunati van Rujar
Jaona Van Rujar
Jaona Kalin
Jaona Kalin
Barand Summerzaal
Banata van der Vaant art Plasmaijer Bas Lijten Derk Hudepol Sary Wenneker

Gary Wenneker
jam Bluemink
eroen Speldekamp
joac Neto
joost Broekhulsen
Rob Hebraken
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Una Verhoeven

Yeogan Spektor Lars Martin Lund Dis Kristlan Hvsatle Saed Bin Raffiq Bartorniej Muchs Lukass Skowronoki Marek Musielek Robert Serksas Tomass Juranak

Deniel Mocan Sebastian Tical Pater Prochaska Borja Predo Chaturanga Renaturga Thomas Horndin Bonny Nilsson Giran Habansson

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Vedim Dolk
Adam Lamanna

Alex Styles
Alexandr Smahlin
Amstadyn Pyrms
Arustadyn Pyrms
Ben Galden
Boris Brodsky
Brundon Brundo
Brent Palestaff
Carlos Rodsignes
Chris Redsignes
Chris Alex Carry Smahl

Corey Smith
Conig Trylor
Daniel Soloway
Daniel Soloway
Daniel San Filippo
Dasphi Siassa
Dornik Oysari
Oylan Yaung
Etizabash Spranzand
Eric Starford
Erics Starford

Erica Stockwell Allysen Gabriel Street George Chang Grant Killian Hara Yn Hinnadi't Chalor shard James Gregory Jason Williamson Jathey Darcholk joseph Blasel jule Gerrilava Kelly Rusk Kyle Kingsbury Jeonardo Cunha Mark Soles

Martin English Michael Marmoche Michael Raynolds Michael West Mickey Rahman Mike Statts Navaed Ahmad

Neil Killen Olga Kogan Patrick Barren Peter Neverra Rama Krishna Ita Richard Cabral Richard Saal Rob Ahnamann Rob Sallay

Scott Freeman Scott Gills Sean Holmesby Shantal Rumar John Sha Jackson Stave Vandenbark

Starre Vanderbetter Togy Valderbetter Variety Foreicher Valder Georges Wardy Derscher William Caty Zac Mathropolist Zachary Kristel



### 10x Your Sitecore Development

Speaker: Mark Cassidy



#### 16 Tools for Your Sitecore Tool Belt

Speaker: Jean-François L'Heureux



- 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...



- 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!

Speakers: Pieter Brinkman

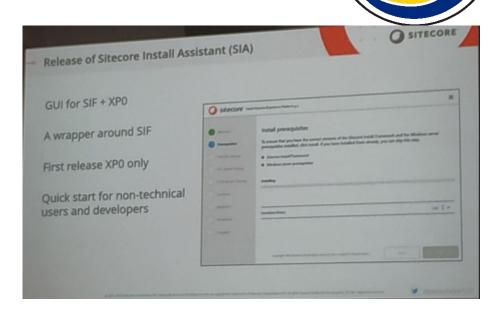


- Version 9.2 will allow developers to use SXA and JSS together
- JSS client sites and Sitecore Forms will be fully integrated
- JSS Rendering Host will not require Windows for local development



# 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.



#### Helix

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



#### **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.

#### **Search Will Change**

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



#### **Tracker Improvements**

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



#### **Robot Detection**

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



#### **Active Personalization Report**

Will give users active personalization and related details.



## Thank you!



https://www.sugcon.eu/video-downloads/

# Thank you!



Q&A