



**UPGRADING TO SMALLWORLD 5** 

# Mark Field Challenges/Solutions



# Upgrade 30 Customers from version 4.1.1 to Version 5.1

- Mixture of
  - Smallworld Core
  - Smallworld Design Manager
  - Physical Network Inventory
- by the Numbers
  - 25 Core
  - 5 Design Manager
  - 2 PNI



- Plans....
  - Upgrade all customers to 4.3 (2018-2019)
  - As soon as that is complete, update to 5.1 (2020)
  - Update to latest 5.2 18 months to 24 months afterwards (2022)

#### **CSA Status**

## Where are we today?

- Started April 2018
- 24 Core Upgrades Completed
  - 18 2H 2018
- By the way!!!!
  - 1 New Core Install
  - 4 New PNI Installs
- PNI Upgrades Tested In House
  - Includes automated netAssign to PRM conversion



- Design Manager
  - Database upgrade process tested
  - DM functionality being tested
    - Overwrites need updating
  - 3Q 2019 rollout
- Delayed due to MultiSpeak Interface project
- PNI 3Q 2019 Awaiting Customers Go-ahead

**CSA Status** 

# How? Response?

- Magik scripts do nearly everything
  - Reconfigure SOMs
  - Applies Datamodel upgrades
    - Created/modified XMLs for datamodel upgrade procedures
- "Give us the day to do the upgrade. We will talk during lunch."



## Upgraders thoughts

- "After the first couple upgrades, the process smoothed out and we couldn't wait to do the next."
  - K Wesson

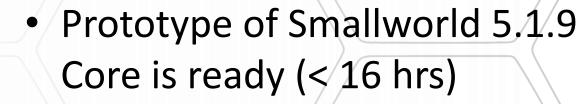
## End Customer thoughts

"The upgrade/update was a smooth transition. Love the new features that were added. The main transition "issue" was breaking the habit of the old way which was a little longer process."
 D. Reich

#### **CSA Plans**

# **Next Steps**

- Development/Testing for SW5 will be done within same tree as 4.3.
  - Active source control branch
  - Alleviates code re-integration in future
- PNI Requires Data Model Update
  - Will need experimentation with
    4.3, but may not be needed



- Testing H2 2019
- Start SW5 rollout Q1 2020
  - Core and PNI
- Start SW5 Design Manager rollout Q3 2020



#### **CSA Plans**

## How to Support 4.3 & 5.1.x

- Need to separate ICOs/PNGs
  - PNG Icon files can go into resources/icons
- Use "symbolic links" for libs
  - \*mklink /d libs libs\_20190531
  - allows for rebuilds with active sessions

- Run 5.26.0 SWMFS (post 5.1.9)
- SW5 Compatibility
  - sw\_task\_owner
  - MagikFinalisable support



#### CSA Take Away

### **Lessons Learned**

- Have separate images or sessions to isolate issues
  - Base, 3<sup>rd</sup> Party, Customized
  - Easier to have GE example
- Reduce true overwrites
  - Use copy method & do customizations before/after (akin to hooks)
- 4.3 is a great temporary step between 4.1 and 5.1



- "Environmentalize" build for target environments
  - In CSA's case 31 customers
  - In yours, prod, dev and test
- Get GE demo database built with your code structure
  - Datamodel code probably won't work well
  - Forces a truly component methodology
- Source Control!!!!!!
- Well Defined Process