



SWIP of the Future BoF

*AKA: the slow, agonizing
death of email templates.*

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The Purpose

- **The reporting of re-allocations and re-assignments is not going away.**
- **But the method for doing it could use some modernization.**
 - Take advantage of web technologies.
 - Make it simpler with less pain.
- **This is a discussion on how to move forward.**
 - We want your input on experiences and ideas.

The Problem

- **The current method relies on email templates.**
 - Emails bounce and get caught in spam filters.
 - The templates aren't intuitive and require training for customers and ARIN staff.
 - There is no single “transaction” to wrap around a large number of email. Each is atomic.
- **Some IP address provisioning systems are automated to use email templates.**

More Problems

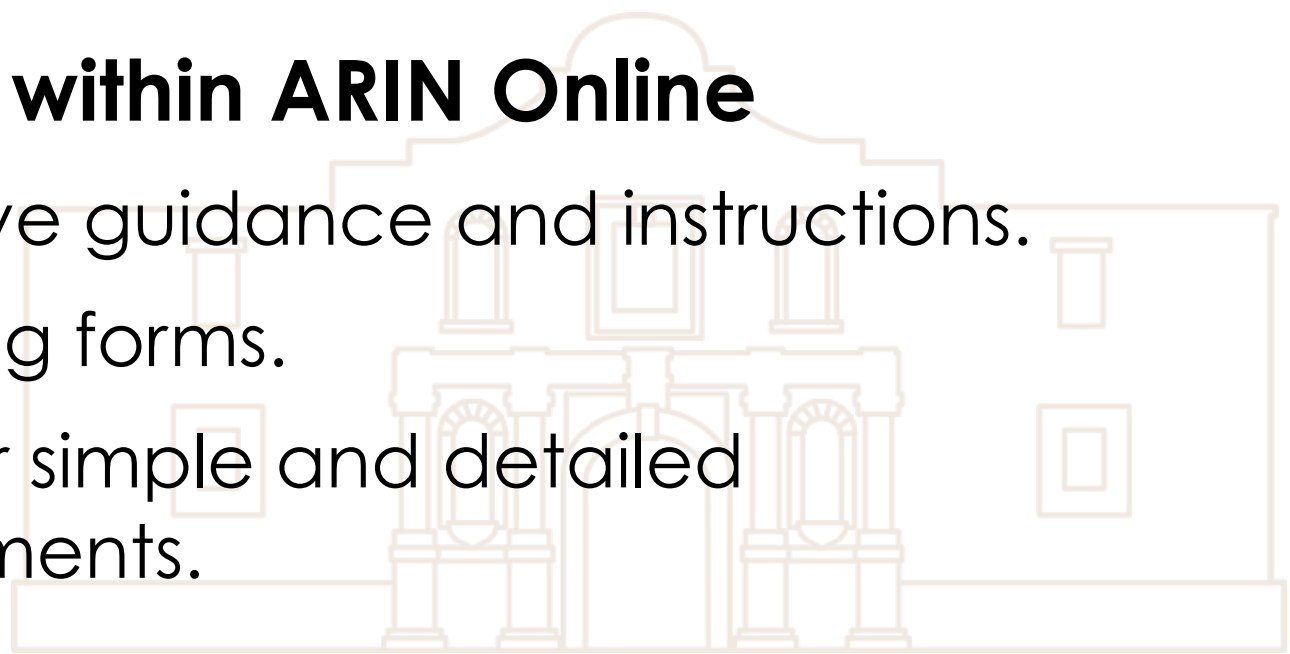
- There is **no test environment** for email templates.
- There is **no confirmation phase**.
- When doing it by hand, **mistakes** are easy to make.
- Some organizations find the whole thing so **painful** that they wait to do them all at once.

Moving to Another Protocol

- **RPC over Email is not widely used.**
- **Extensible Provisioning Protocol (EPP)**
 - Used between domain registries and registrars.
 - Not used by any RIRs, but LACNIC has indicated their intention to go down this route.
- **A RESTful Web Service**
 - Used extensively by Yahoo, Amazon, Google, for all sorts of tasks. Simple use of HTTP.

“Unautomation”

- **Not for everybody...**
 - This would be for the one-off task.
- **“Wizards” within ARIN Online**
 - Interactive guidance and instructions.
 - Auto-filling forms.
 - Cases for simple and detailed reassignments.



The Excel Provisioning System

- **Upload** a CSV via the website.
- **Get** instant feedback.
- **Confirm** the transaction as one atomic action.



Other Ideas

- What does your IP address provisioning system output or export?
- Do you have access to programmers to adapt your provisioning system?
- What other problems do you face?
- **Your time to talk.**

