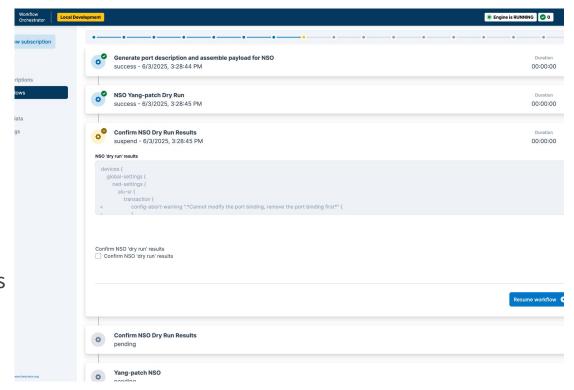




# **Challenges and Limitations**

- Stuck Workflows
- Self-service issues
- Clicking "abort" button
- Requires manual database fix by dev team
- Network engineers can't troubleshoot during maintenance windows outside of dev working hours





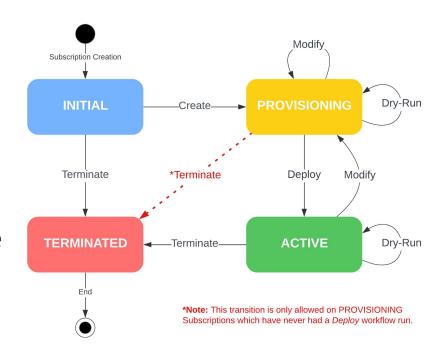
## **The Proposed Fix**

### Five workflows

Create, Dry-run, Modify, Deploy, Terminate
(and Validate)

### **State Transitions**

Represent current operational state of Subscriptions



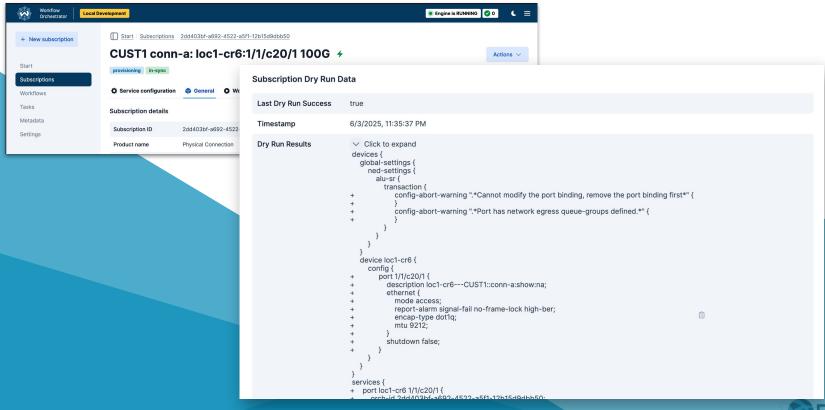


## **Build a Custom Database Table**

- DryRunResults table (SQLAlchemy Mapped)
  - @classmethods for convenient saving/converting models
- Accompanying Pydantic model
  - Validate column data coming from database
  - Convert to custom Result type



# Display the Results in the WFO UI





# **Looking Ahead**

Future work & design considerations

- Non-traditional workflows like "Bulk Deploy"
- Customer self-service
- Cross-organizational service configuration (NSI/SENSE, IRI)



# Questions?

