

# ADVANCE

*How Does It Work?*

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# ADVANCE: What's Under the Hood?

**Software Engine: ControlTier, a robust continuous integration (CI) and deployment (CD) platform**

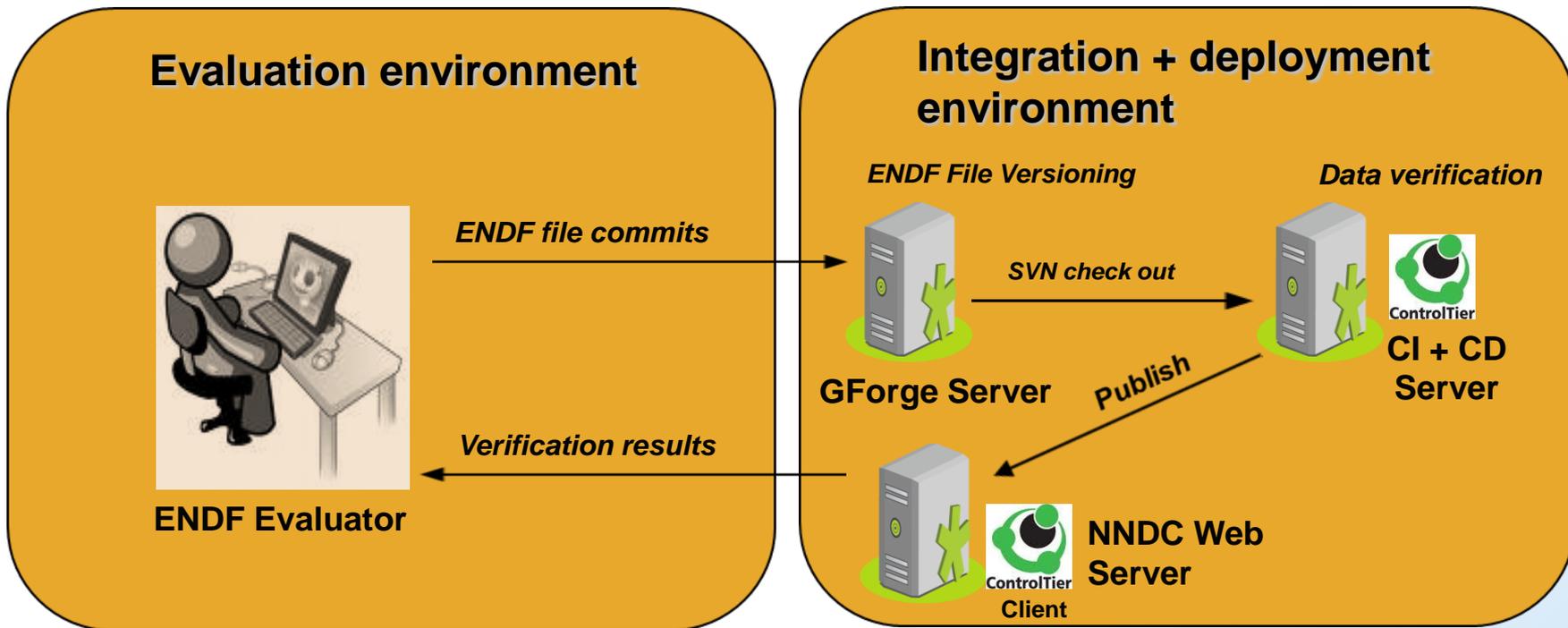


## Why ControlTier?

- **Cost-free: Good for NNDC's tight budget**
- **Open-source: Can change system code**
- **Platform independent: 100% Java**
- **Most complete platform: CI + CD included**
- **Highly scalable: Add servers + clients as needed**

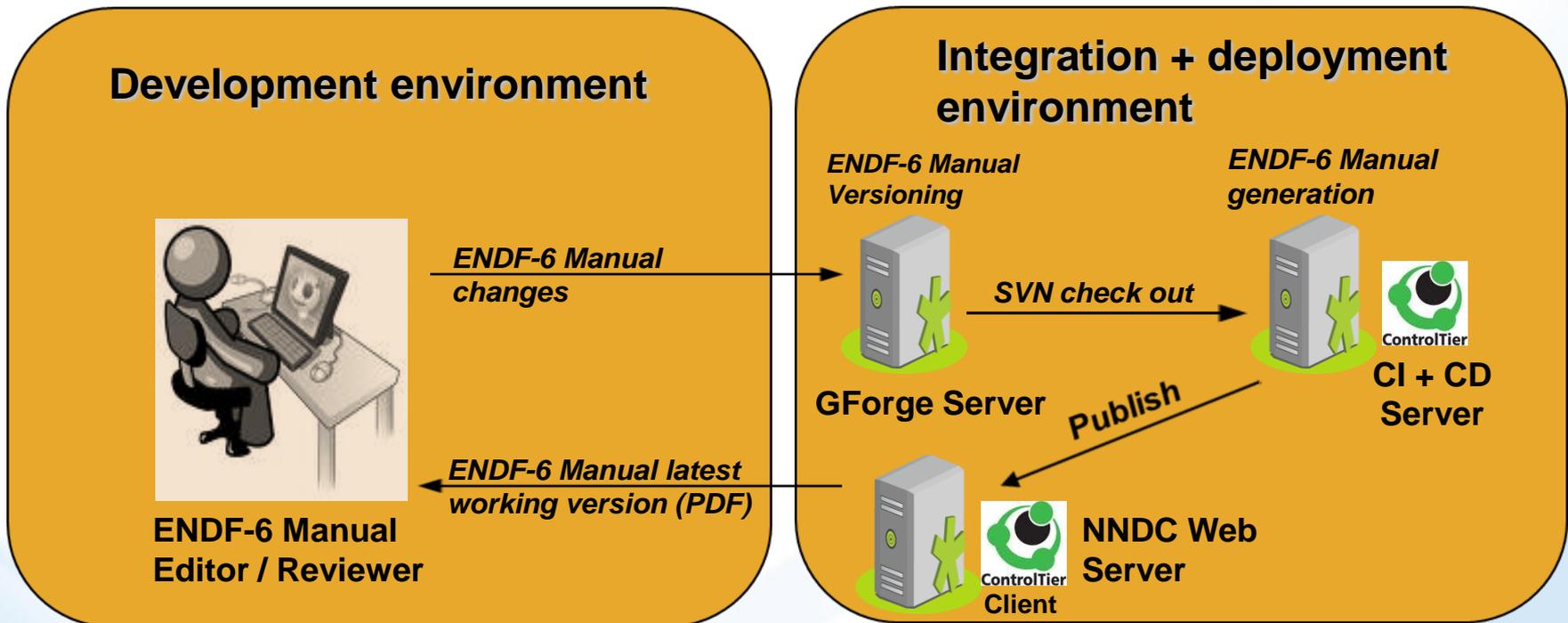


# ADVANCE Architecture



# ADVANCE Spin-offs

## ENDF-6 Manual Development



URL: <http://www.nndc.bnl.gov/csewg/docs/endif-manual.pdf>

# ADVANCE Spin-offs (cont.)

***In progress:*** ENDF Utility Codes source codes and binaries distribution for:

- Linux
- Windows
- Mac OSX

***In the pipeline:***

- EMPIRE Nuclear Reaction Code System
- ENSDF Analysis Codes

# Future Outlook

## *NNDC Automation Strategy*

