

















High Availability for a Modern Pl System

Presented by Matt Heere

OSIsoft Center of Excellence Principal

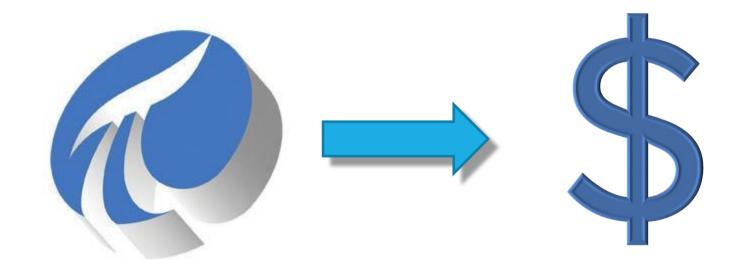
How Do You Say "Reliability"?



TomĀto



TomÄto

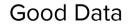


What Is Needed to Get Value?











Productive Users

A Note About Virtualization





- Fully Supported!
- Only Part of an HA Strategy

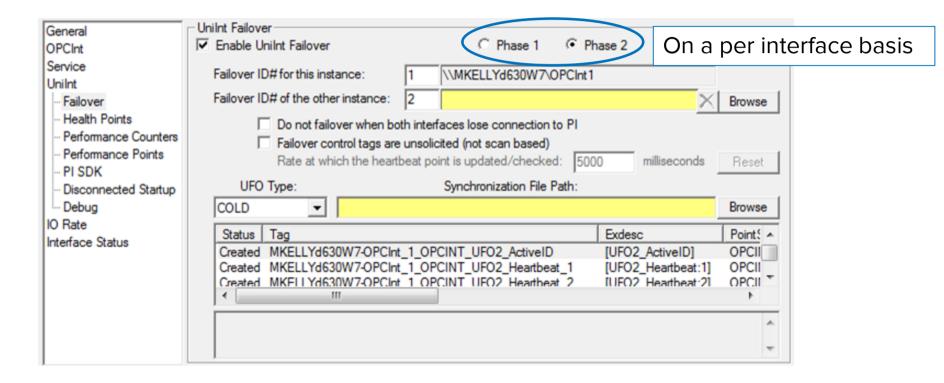


Keep it Running – High Availability (HA)



- Interfaces are the most critical
- Keep the calculated values as good as the measured values
- Running servers do no good if the clients aren't functioning

Interface HA is Built In



The Server Tier Offers Solutions

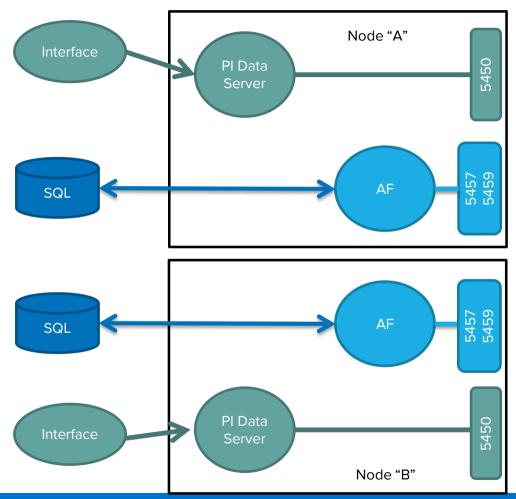
PI Data Servers

- Collective
 - Fully automatic
 - Seamless to clients
 - Completely independent data stores

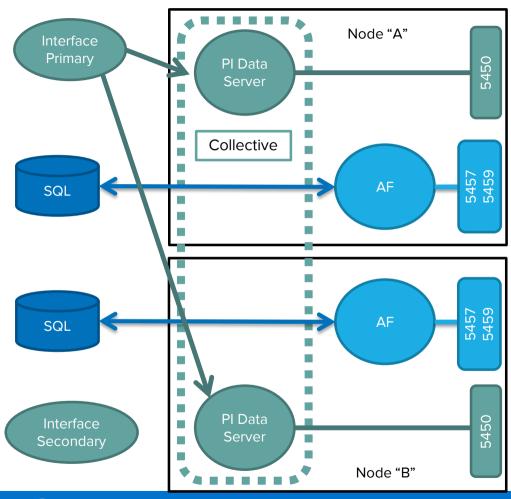
Asset Framework Servers

- Network Load Balancing
 - Fully Automatic
 - Seamless to clients
 - Support for HA writes to AF such as Event Frames

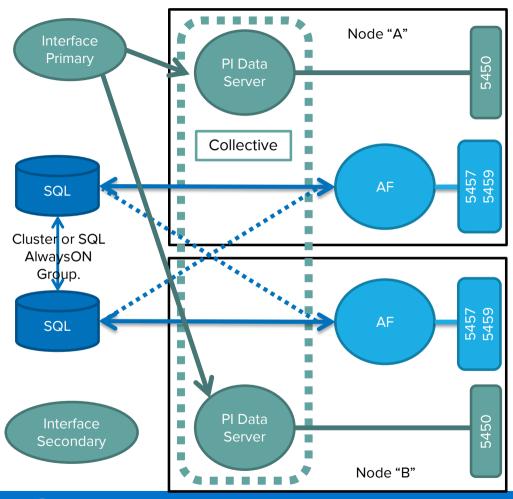
- SQL Server HA Needed Too
 - Ask your DBA about "AlwaysOn"



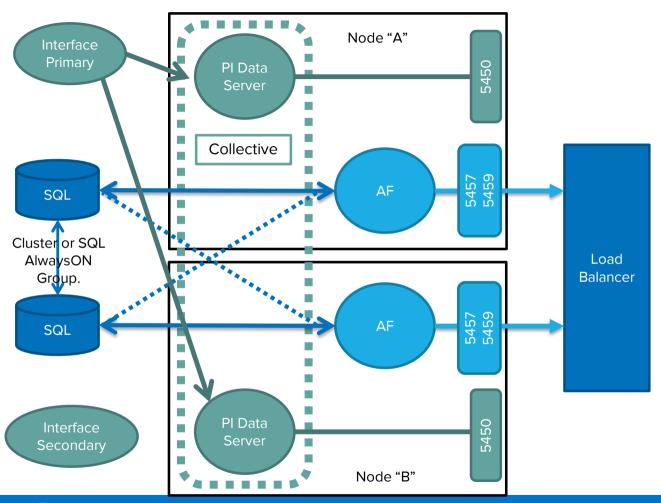




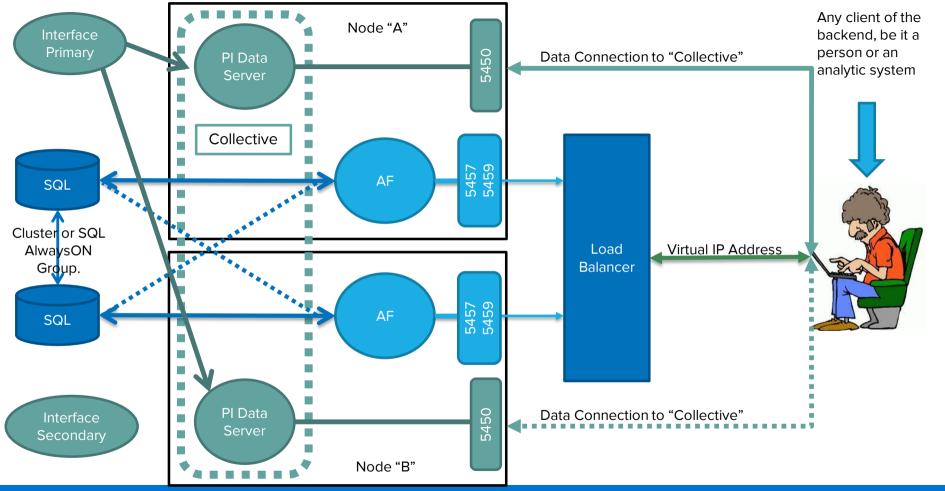












Analytic HA Requires Planning

Technology	Redundancy	Backfilling
Asset Analytics	Manual (for now)*	Automatic
Performance Equations	Parallel Execution	(Very) Manual
PI ACE	Automatic	Manual
Formula Data Reference	Depends on the client	N/A



^{* -} Virtual machine technology, scripting, and possibly clustering can potentially do some of the "manual" work for you

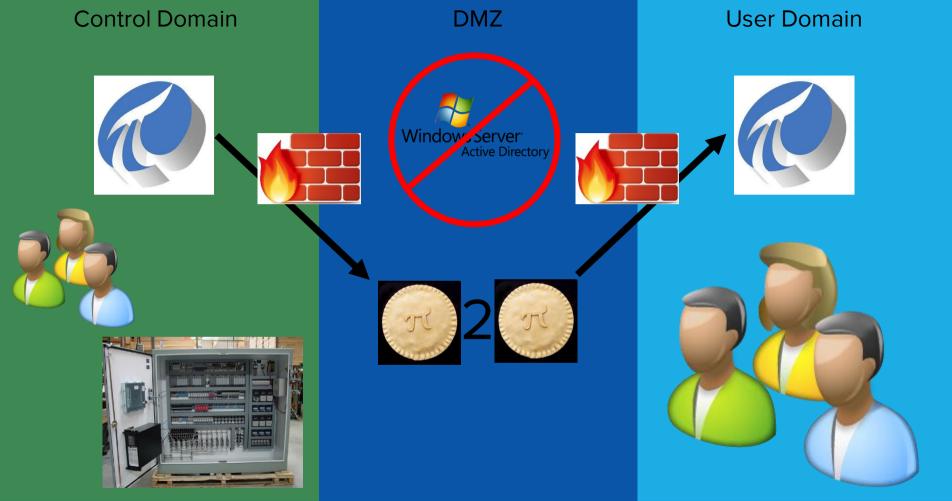
Know When it Falls Down

Especially with HA, you need to be monitoring the PI System

- Get an EA and mPI ©
- Work with your IT folks
- Use PI to monitor PI







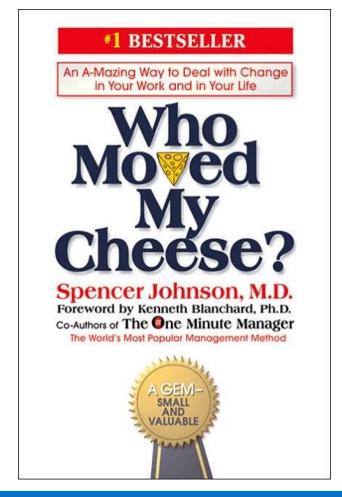
Security is Also About Process





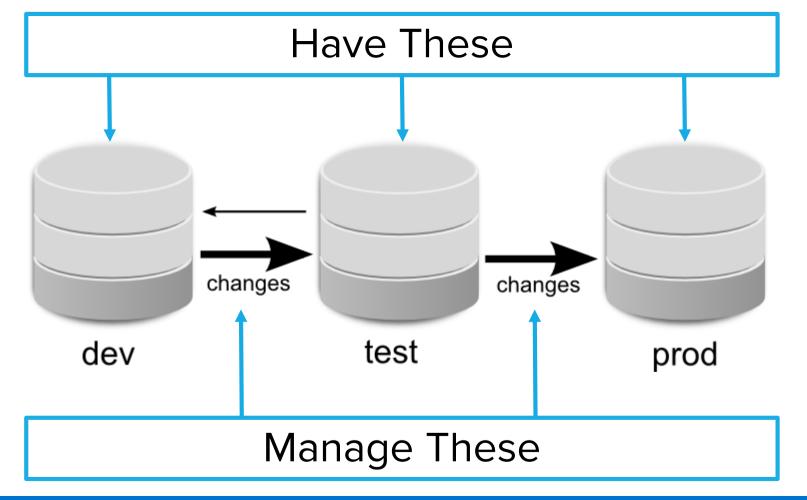






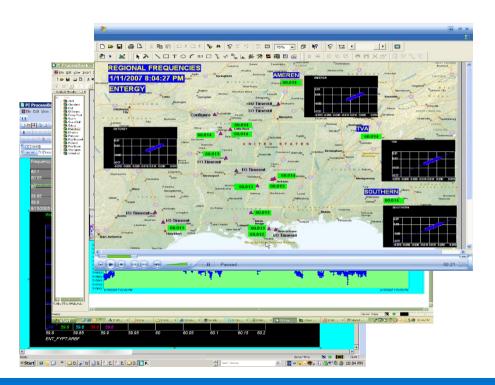
50 Reasons Not To Change





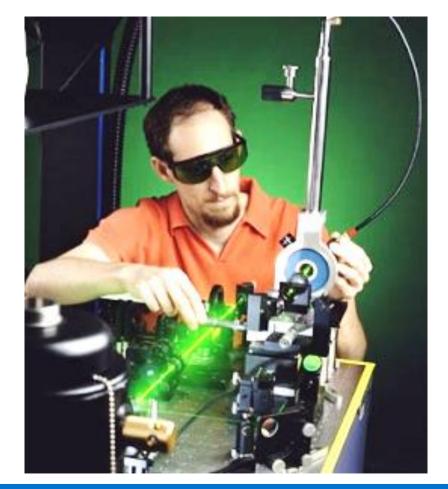


What About Content?







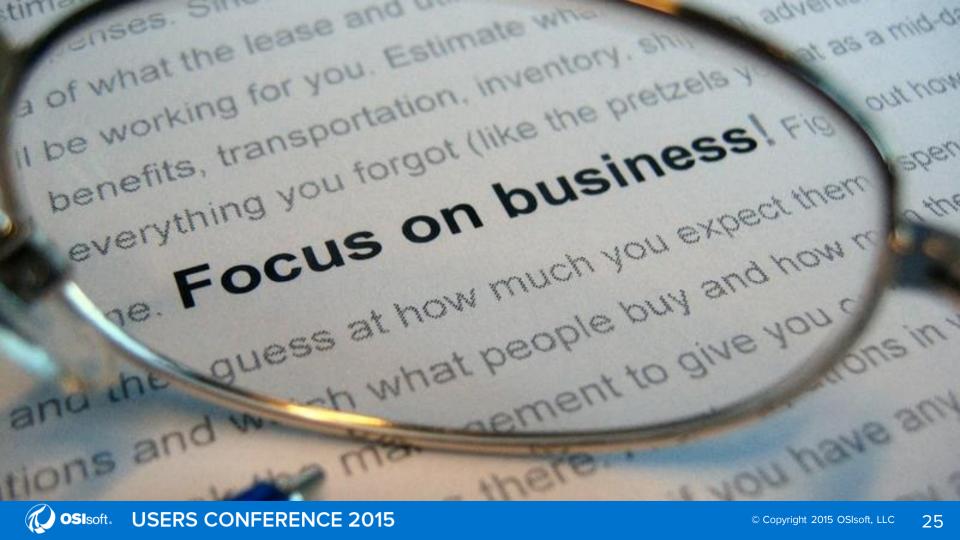




But My Users Can't Do That!



- Training
- Champions
- Internal User Groups



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Matt Heere on YouTube

Questions

Please wait for the microphone before asking your questions

State your name & company





THANK Y()[]

