



AF2.0 协助你有 效的管理数据

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Agenda

- What's AF 2.0?
- The value of AF
- Demonstrations
- Backwards compatibility
- Requirements



Foundation by any other name

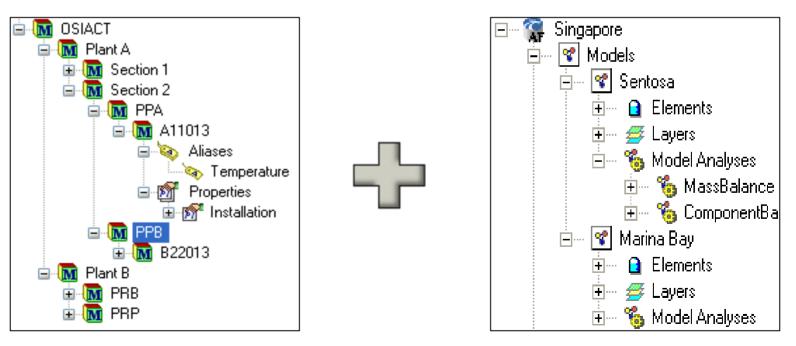


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VALUE NOW, VALUE OVER TIME

What is AF 2.0?

The best of PI MDB and PI AF 1.x combined ... and a lot more!



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The value of AF: structure

- PI is extremely good at:
 - Collect data from almost anywhere
 - Massive scalability, Highly available
- Flat points database
 - Organize your data
- Meta-data: a **structure** for the data
 - PI supplies data
 - AF supplies structure and access to more data

Why add structure?

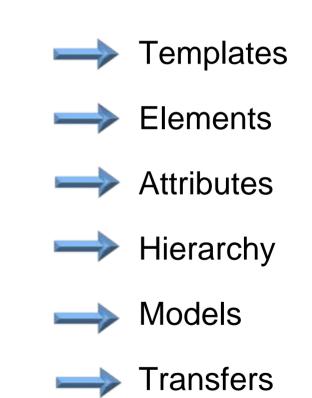
- Structure is *your* knowledge applied to *your* data
- Structure helps you:
 - -Keep track of your assets and data
 - -Store your domain expertise
 - -Rapidly build applications and displays
 - -Find information in user-friendly way



AF shapes your data

- AF is designed to store structure:
 - Defining types of assets
 - Associating points with assets
 - Extra information about points
 - Physical/logical asset structure
 - Assets connectivity
 - Transactions

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One Stop Shopping

- Locate the equipment in the tree
- Data from many sources
- No Code, only Configuration

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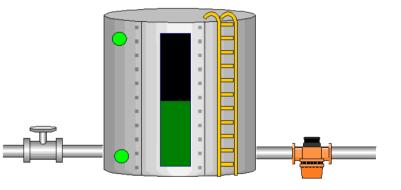


Storing your Expertise

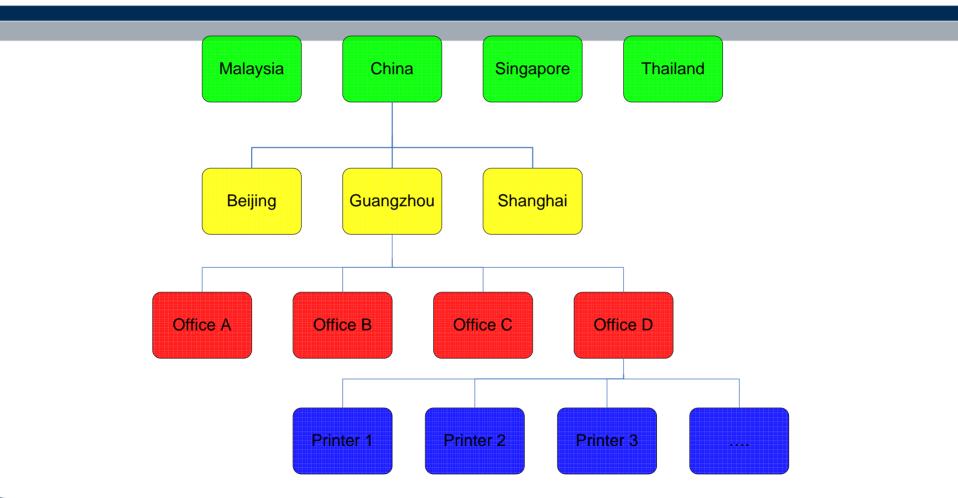
- How to totalize flow rates in/out of Tank
- Limits for notification on Tank
- Alarm states on Tank
- Strapping table

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- Capacity of Tank
- Production line for Tank
- Downstream units of Tank
 - Responsible person for production line

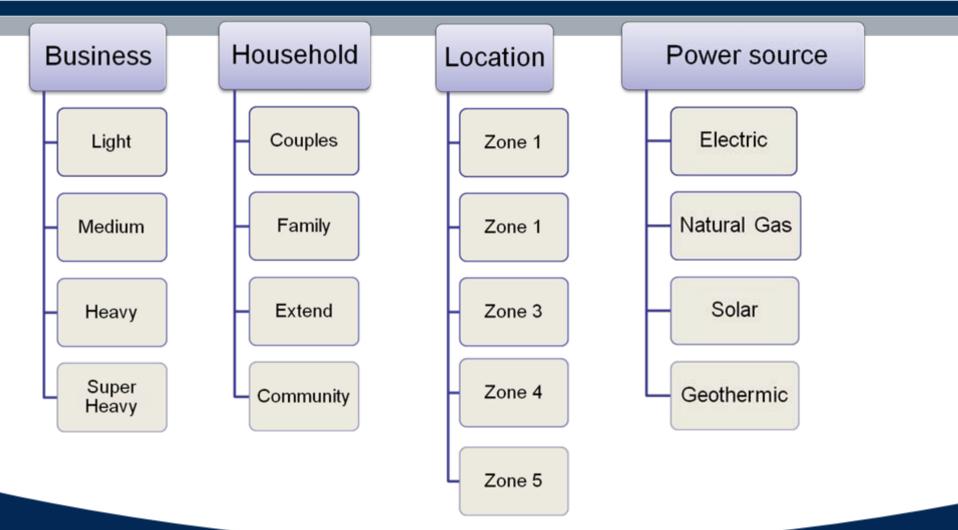


Hierarchical view



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Categories



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AF 2.0

Knowing Where to Look

- Adding your structure is done once
 - Organize points
 - Consistent naming
 - Static configured data
 - Data from other systems
- This structure benefits all PI users forever
 - Searches across PI systems
 - Search for information related to the business
 - Ability to view and use additional information

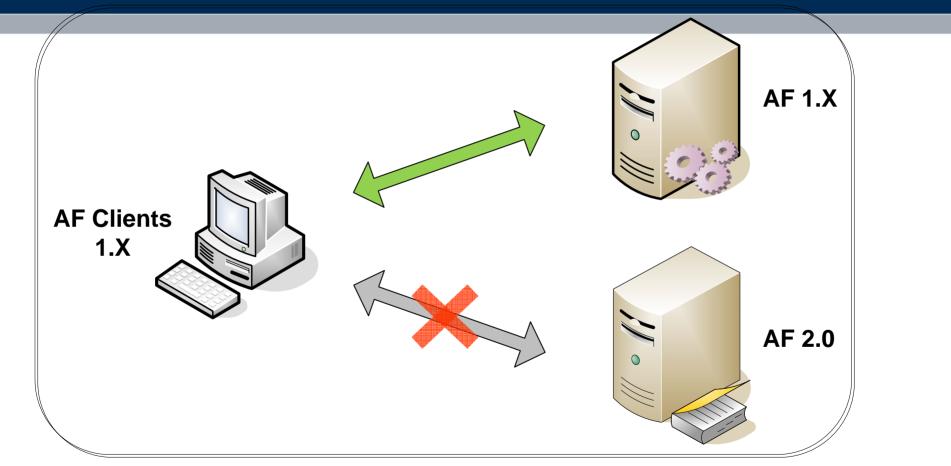


The AF compatibility layer

- Redirect all AF 1.x clients towards AF 2.0
 - AF Explorer
 - AF Modeler for ProcessBook
 - AF Excel Add-ins
 - Custom DR, AR
- New AF 2.0 features not supported by old clients

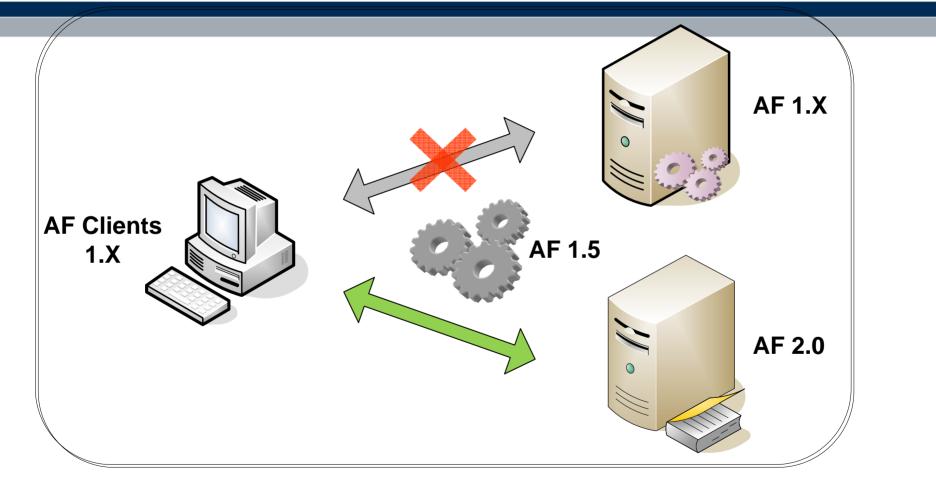


No compatibility layer



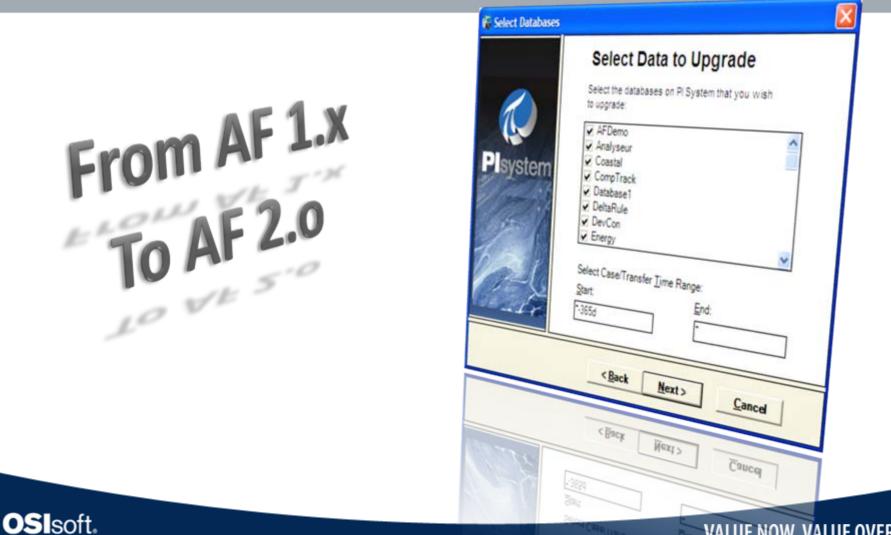


With the AF 1.5 compatibility layer





AF upgrade utility



Migration from PI MDB



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Getting started with AF 2.0

The PIServerImport utility

🛃 PI Server Import to AF 2	.0
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Add PI Server Bement to path		
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Requirements

- SQL Server 2005 or SQL Server Express 2005
- PI Server 3.2.354.0 or more recent
- Microsoft .NET Framework 3.0
- Operating System must be Windows XP or greater

Go for a test drive! 技术示范

