



Best Practices When Implementing AF - Overview

Presented by: Ales Soudek



Agenda

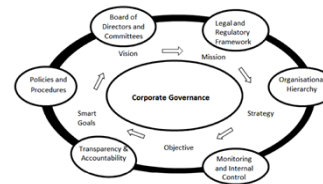
- Things to Keep in Mind
- Organizational Structure
- Governance Framework
- AF Ten Commandments
- Conclusion



Things to Keep in Mind



Who will consume data



Governance and Rollout



There is no “Right Way”



How will it be presented



Think Big – Start small

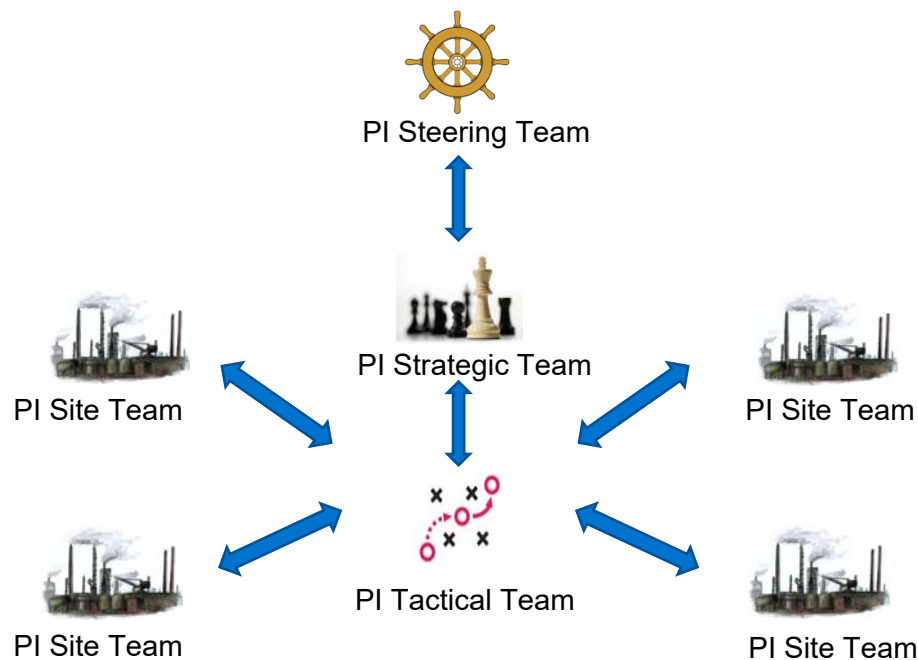


Roles/Responsibilities



Solve a specific problem

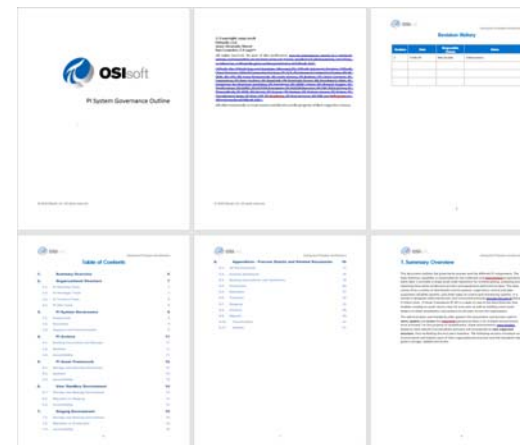
Organizational Structure



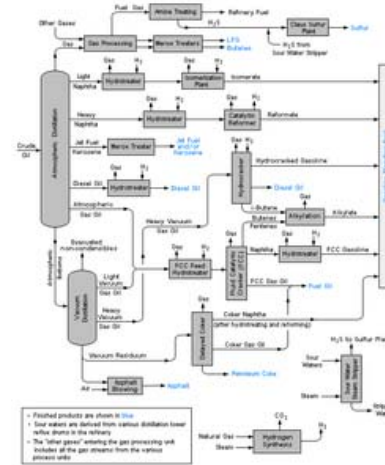
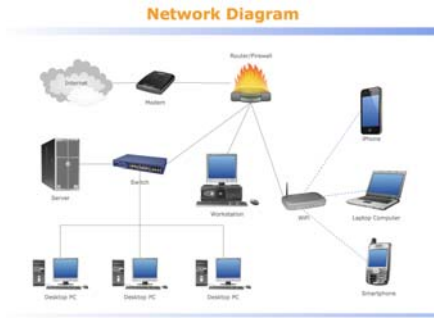
- PI Steering Team
 - Vision Setters
- PI Strategic Team
 - Vision into Action
- PI Tactical Team
 - Project Execution
- PI Site Team
 - Supports Project Execution

PI System Governance Framework

- Governance Outline Doc
- Define Teams
- Define Rollout Process
- Change Management Process
- Define Standards
- Define Security and Access
- Handling Units Of Measure
- Define Process for Projects



IT and OT Roles



IT - Responsibilities

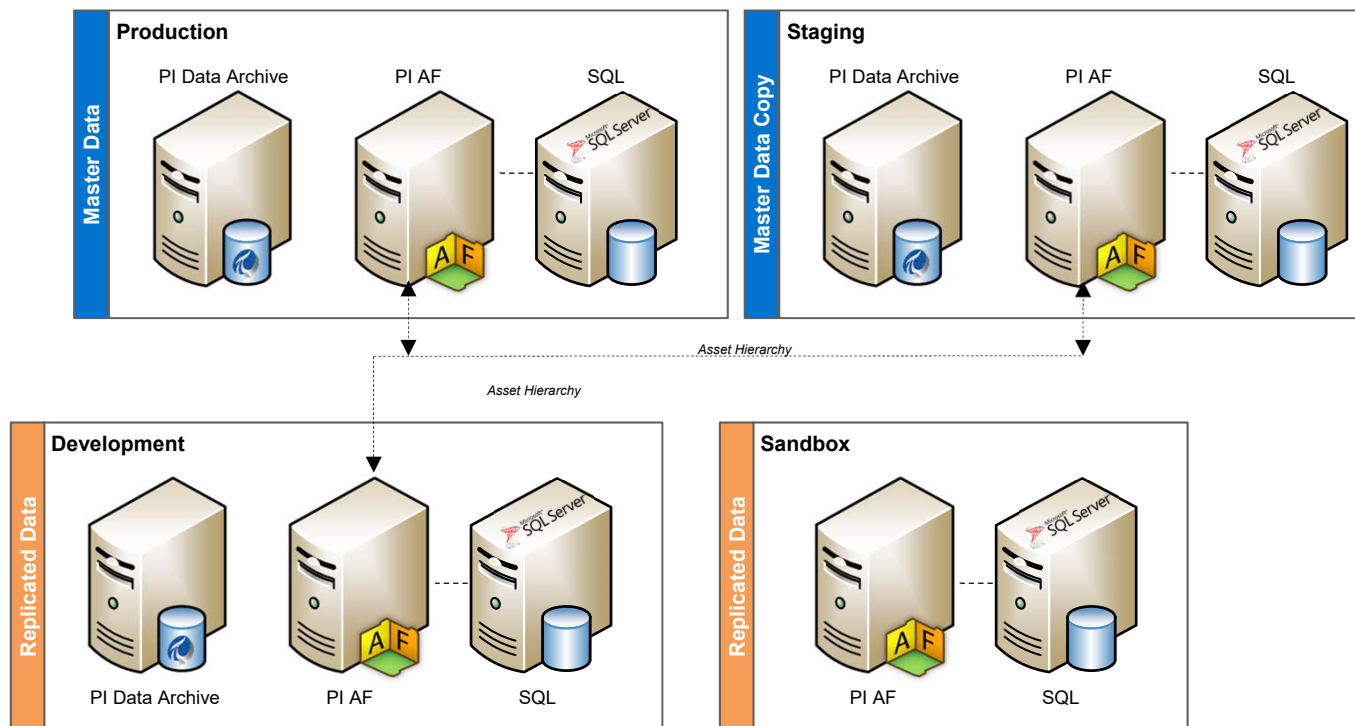


OT - Responsibilities

- Standards
- Security - Monitoring
- Governance Framework
- Template Management
- Roll Out
- Use Cases

- Standards
- Use Cases
- Hierarchies
- Template Content Management
- Smart Elements

Ideal Architecture



PI Data Archive: Stores time series data, which can be accessed by client tools. This server does not access PI AF Server directly.

PI AF: PI Server component that enables organization of time-series data into logical and/or physical models.

PI AF Database: PI AF database (PIFD) is AF backend stored in SQL Server.

PI System Explorer: PI AF client tool used for AF administration.

Ales' PI AF Commandments



1. Thou shalt use **Templates**
2. An **Element Hierarchy** shalt follow standards
3. **Categories** shalt be used everywhere
4. Different **Views** make life easier
5. Get to know **PI Builder** – it is your friend
6. **Defaults** may not your friend
7. **String Builder** and **Event Frames** are more friends
8. Thou shalt use **Units of Measure**
9. Do not only consider **Bottom-Up** approach
10. Thou shalt build **Smart Elements**

Conclusions

- Organizational Structure and Governance
- Define and Follow Standards
- SMEs Responsibility for Template Content
- Define and Create Rollout Process
- Follow Best Practices

Final Take Away

“A shortcut is the longest distance between two points.”

– *Charles Issawi*

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