

Presented by

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Presentation Outline

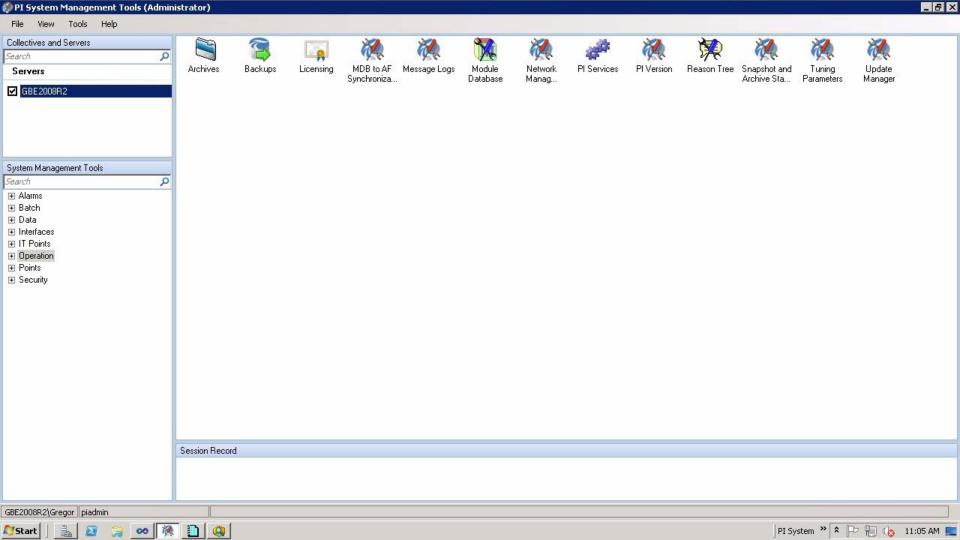
- Demo / video about creating a simple PI ACE Calculation
- Demo / video on how to maintain PI ACE Calculations using PI ACE Manager
- Why would you use PI ACE and who are the target user groups?
- Integration into PI AF (Asset Framework)
- What's new in PI ACE 2010 R2?
- Where can additional information be found?

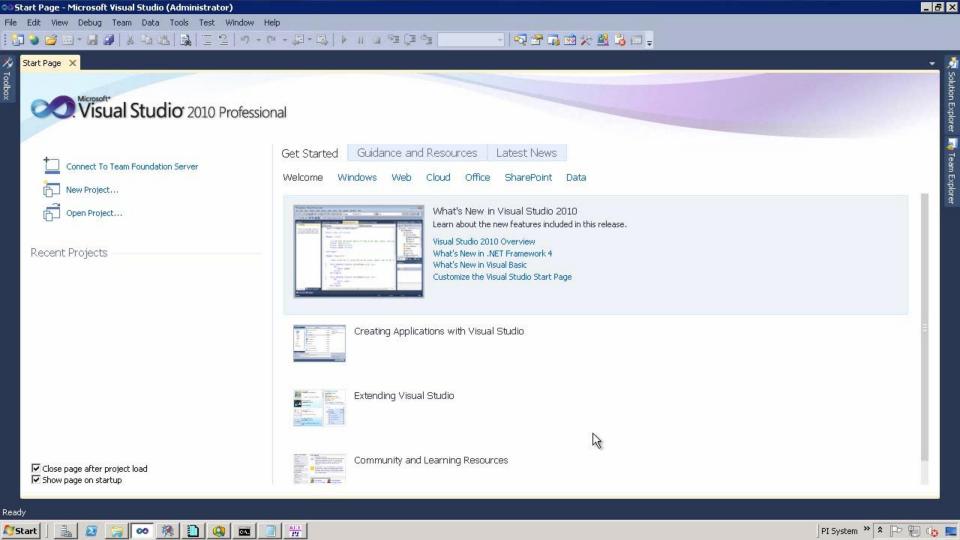
PI System Analytics

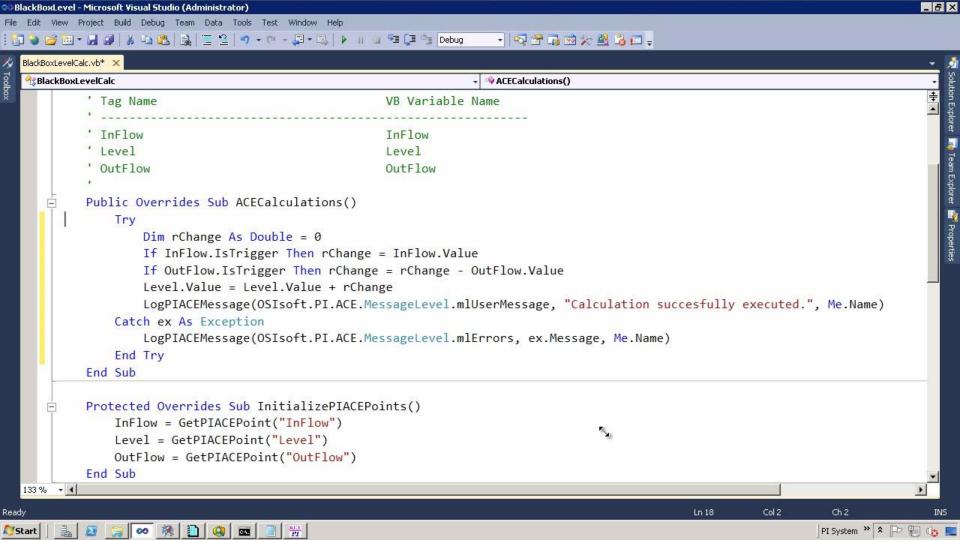
Configuration	Programming
PI Performance Equations	PI Advanced Computing Engine (PI ACE)
PI Totalizers	Microsoft StreamInsight & PI for StreamInsight*
PI SQC Alarm	
PI AF formula data reference	PI AF custom data reference

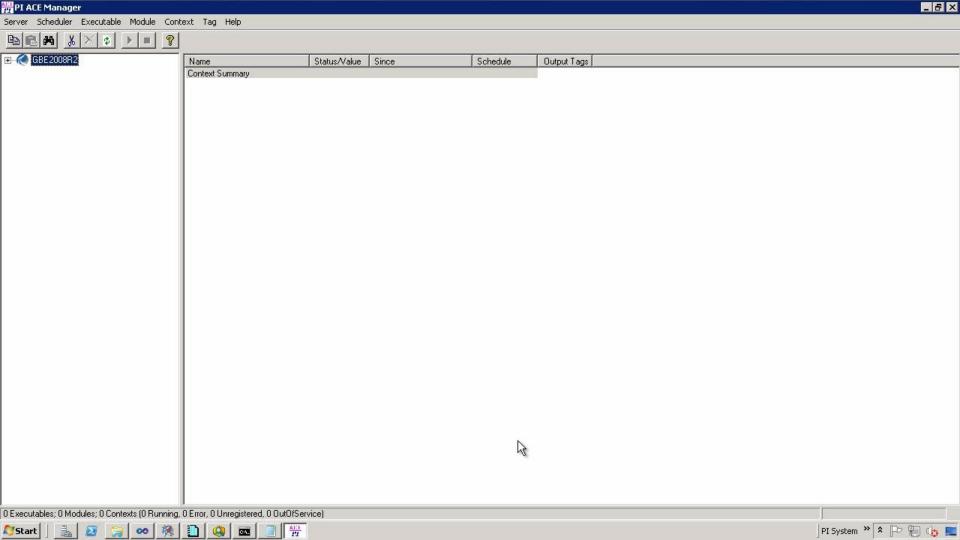
Introducing the PI ACE Calculation example











Why would you use PI ACE?

- Flexibility of a programming language
 - Incorporate in house and 3rd party libraries
- Assisted implementation
 - Wizard and Manager Assist implementation
 - Reuse the same calculation for multiple assets
- PI ACE supports recalculation

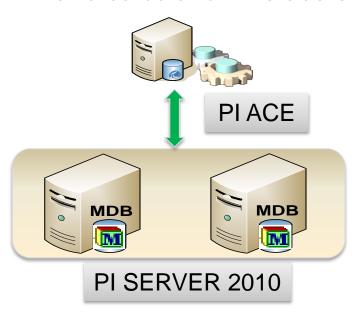
Solve problems and save money for your company!

Who are the users of PI ACE?

- Development of calculations
 - Developer
 - User who can be guided by a wizard and can enter calculation logic (little programming experience)
 - You and your colleagues trained by OSIsoft
- Management of calculations
 - End User, no development knowledge required

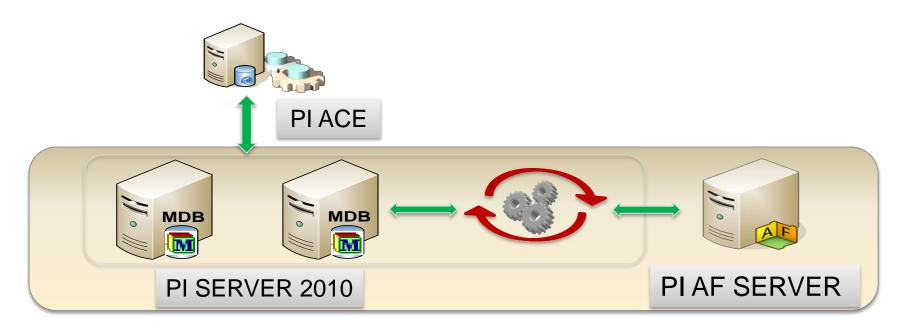
PI ACE and PI Asset Framework (PI AF)

PI ACE uses the PI Module Database (PI MDB) for configuration and calculation metadata



PI ACE and PI Asset Framework (PI AF)

PI Server 2010 enables PI MDB to PI AF link and synchronization



PI ACE 2010 R2 - What's new?







Performance - Use less resources and run more calculations



- Native 64-bit support
 - More calculations per PI ACE executable

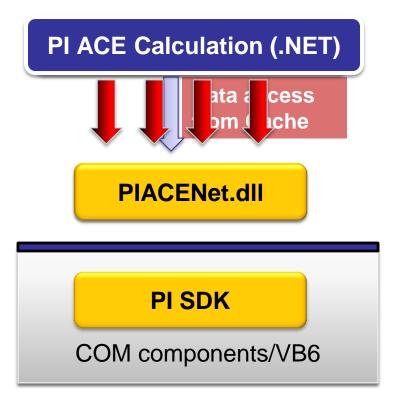


Microsoft Visual Studio 2010 Support



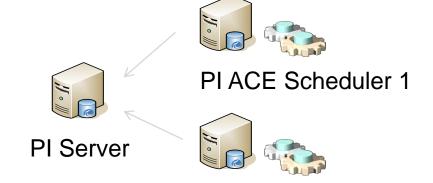
PI ACE 2010 R2 – Performance

- Improved calculation throughput
 - Up to an order of magnitude*
 - Faster start-up
 - Faster cache access
- Perform more calculations!



PI ACE 2010 R2 – Scalability

- Run more calculations
 - per PI Server



Scale out calculations

- PI ACE Scheduler N
- Distribute the calculation load across machines

PI ACE 2010 R2

Released 2 months ago

- PI Server 2010
 - PI ACE 2010 R2 inside!

PI ACE – More Information

- Success stories
 www.osisoft.com/Templates/presentations-by-event.aspx
- Training
 learning.osisoft.com/homepage.aspx
- OSIsoft vCampus
 <u>vcampus.osisoft.com/</u>
- Online learning
 <u>www.youtube.com/osisoftlearning</u>

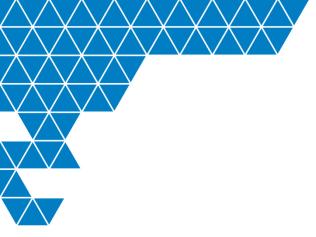
Questions

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Thank you