



# PI ACE Advanced Computing Engine

Infinite possibilities for data  
analysis

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# Agenda

- What is ACE?
- Components of ACE
- ACE Architecture
- Live Demo
- Features
- Requirements
- The Future
- Summary
- Questions

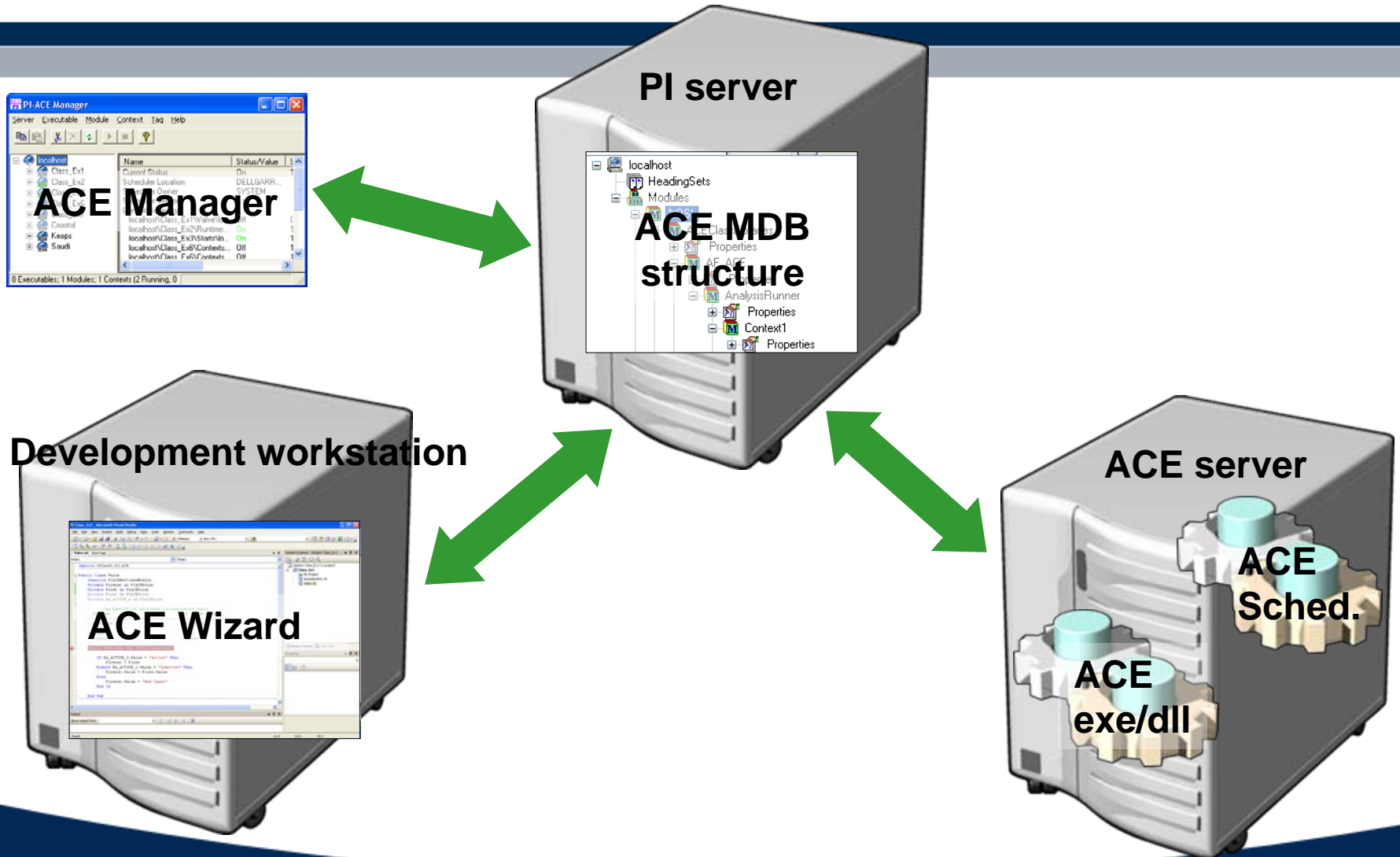
# What is ACE?

- ACE – Advanced Computing Engine
- ACE is a software suite for rapid development and deployment of advanced PI Calculations.

# Components of ACE

- ACE Wizard (developer's tool/code generator)
- ACE Scheduler (middle tier agent)
- ACE Manager (utility/console client)

# Structure Of Components



# Live Demo

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# Features

- Multiple calculations with the same code
  - Modules Database
- Assign calculations to other tags – without recoding!
- Multiple tags for event based calculations

# Features

- Different levels of message logging
- Able to recalculate old archived data



# Requirements

- Wizard - VS 6.0, .net 2003 or 2005
- Scheduler - PI 3.3 or better
- Manager - Windows

# The Future

- Project code named "PIANO" is based largely on ACE, will be released in PR2

# Summary

What is the value?

- The full power of Visual Studio applied to PI data
- Rapid development of analysis with no knowledge of PI-API or PI-SDK
- End users need not know anything about how it works
- Easy to add contexts, start, stop, etc

# Questions?

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