

Using Windows Forms with NX Open

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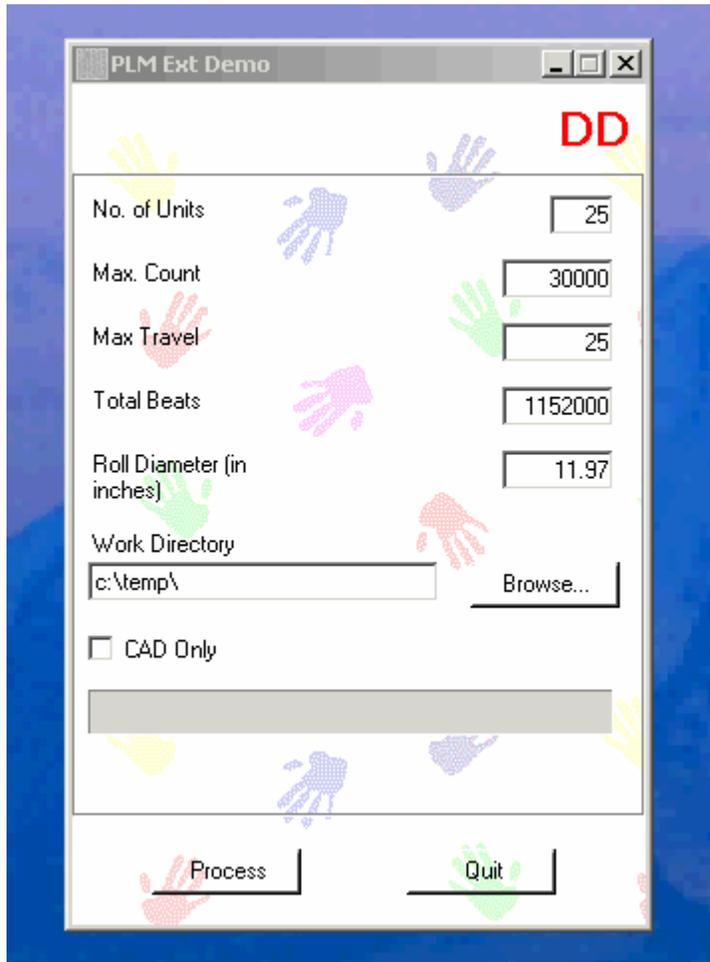
About INCAT

- **INCAT is the world's leading independent global professional services company** engaged in Product and Information Lifecycle Management, Engineering and Design Services, Enterprise Solutions and Knowledge Solutions
- With revenues of \$220 million (Fiscal Year 2006/2007) and 3,000 professionals located around the world, **INCAT is the only specialist organization of its kind able to serve its clients with a global delivery model**
- **INCAT, as a Tata Technologies company**, is part of the Tata Group, a multi-national diversified group of 91 companies with combined revenues of \$17 billion (USD) and 275,000 employees

External Application

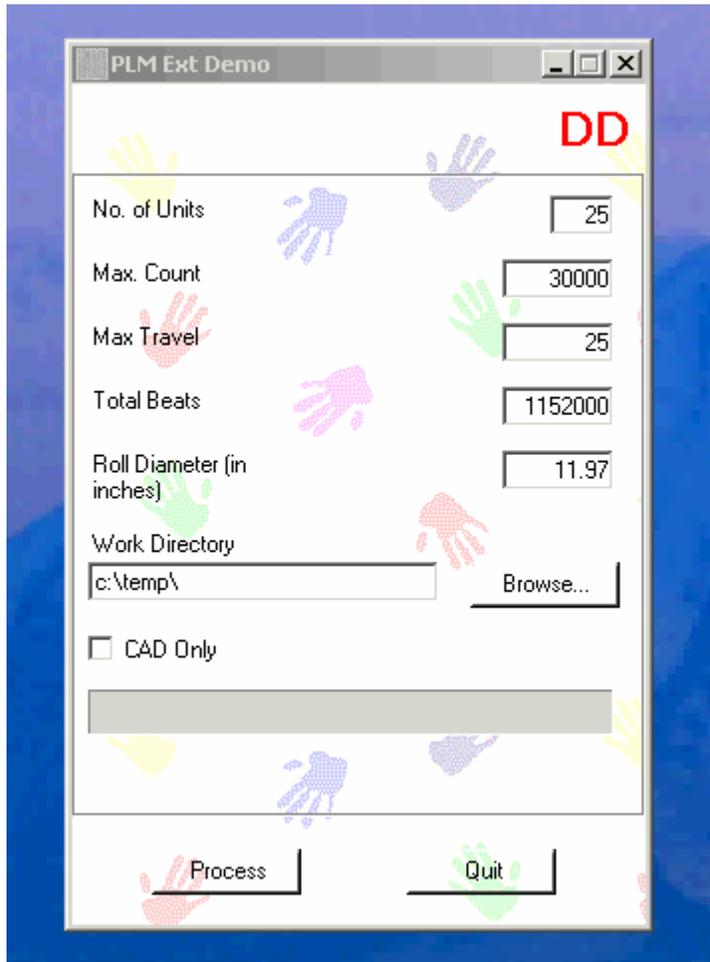
- Demo
- Deployment
- Technology
- Project Creation

External Application



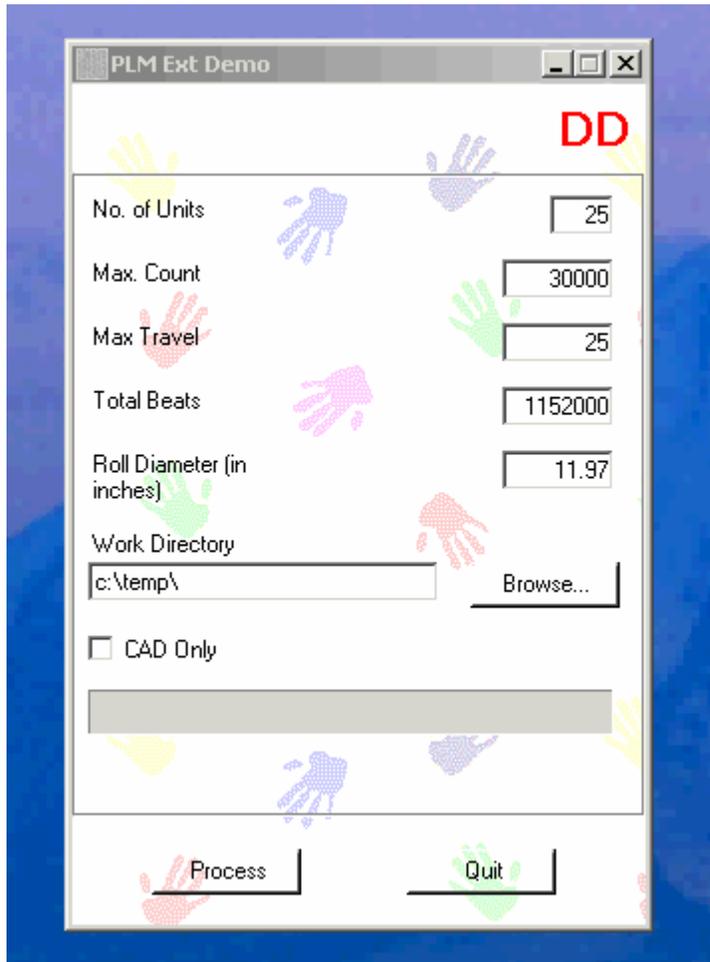
- Demo
 - EXE file
 - Double-Click from screen

External Application



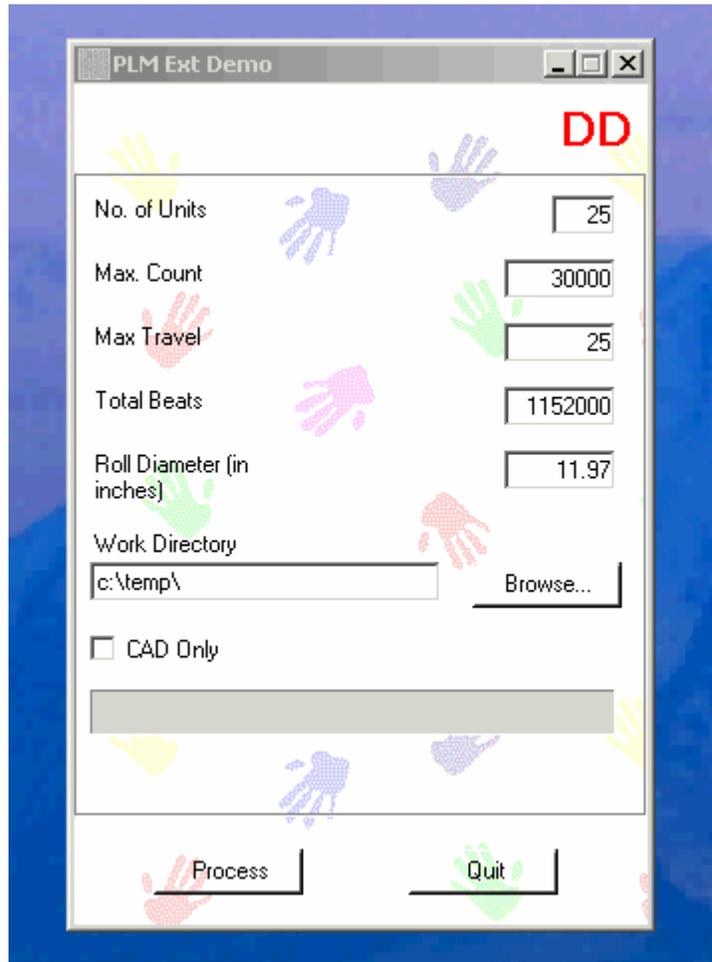
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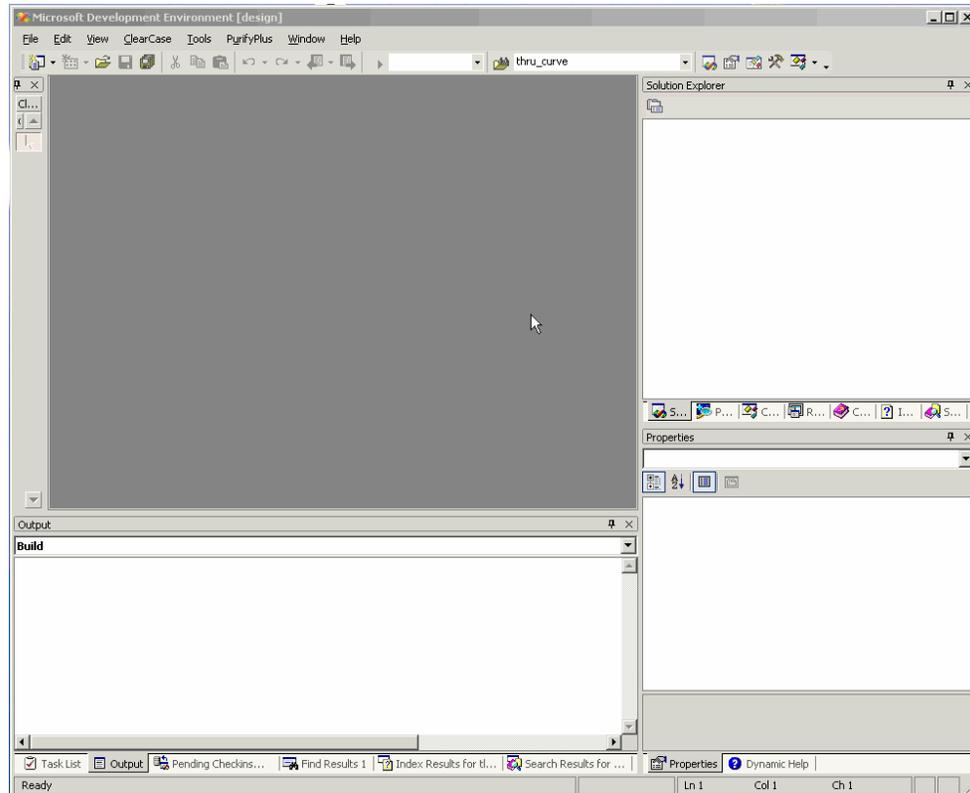
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- Deployment
 - Looks for UG DLLs
 - Modify Env. Var
 - From Batch file

External Application



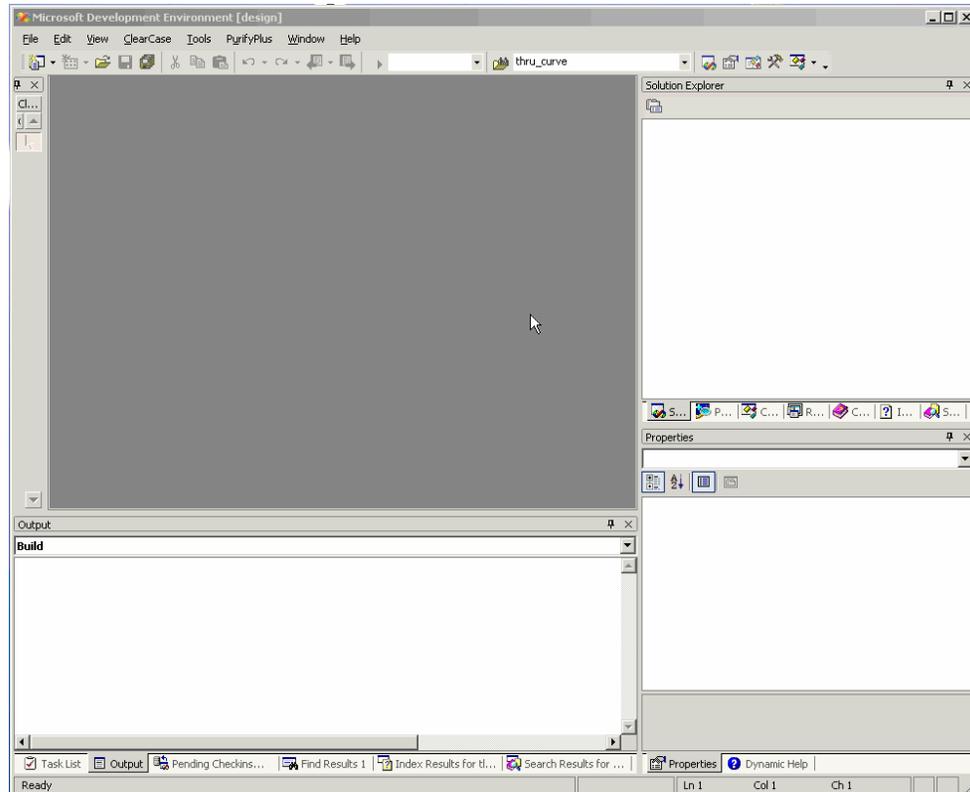
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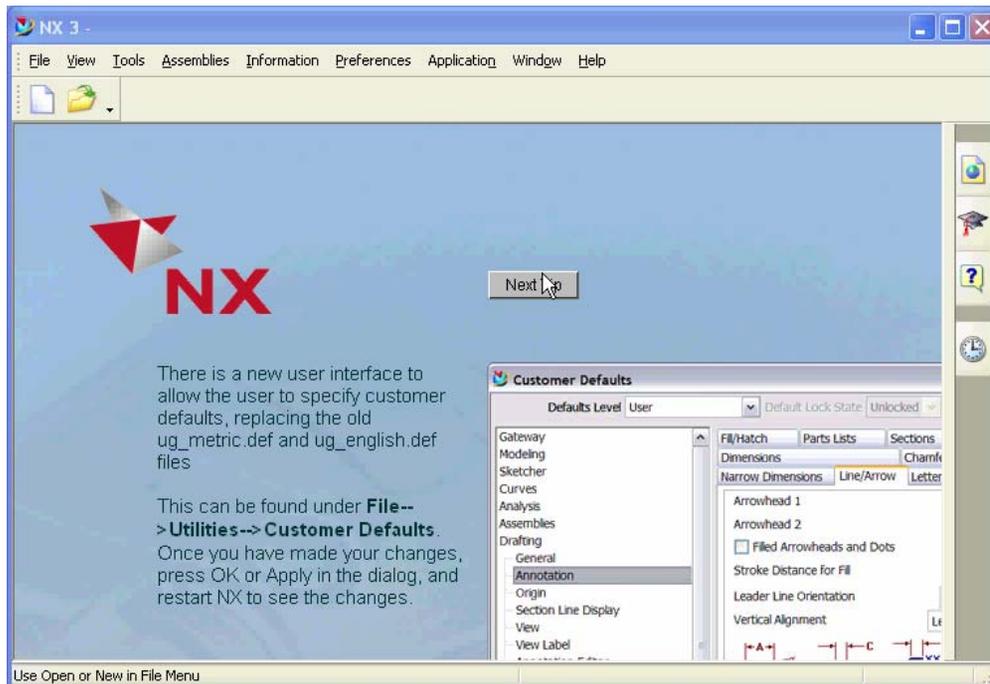
Internal Application

- Demo
 - Dll file
 - Ctrl-U to launch



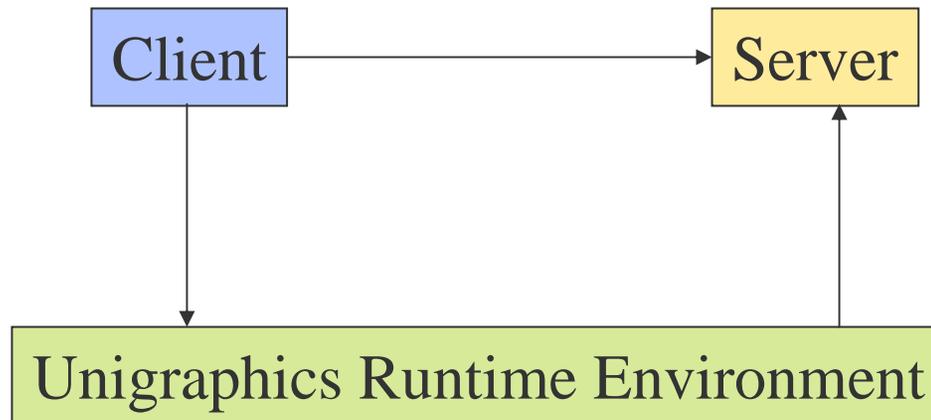
Internal Application

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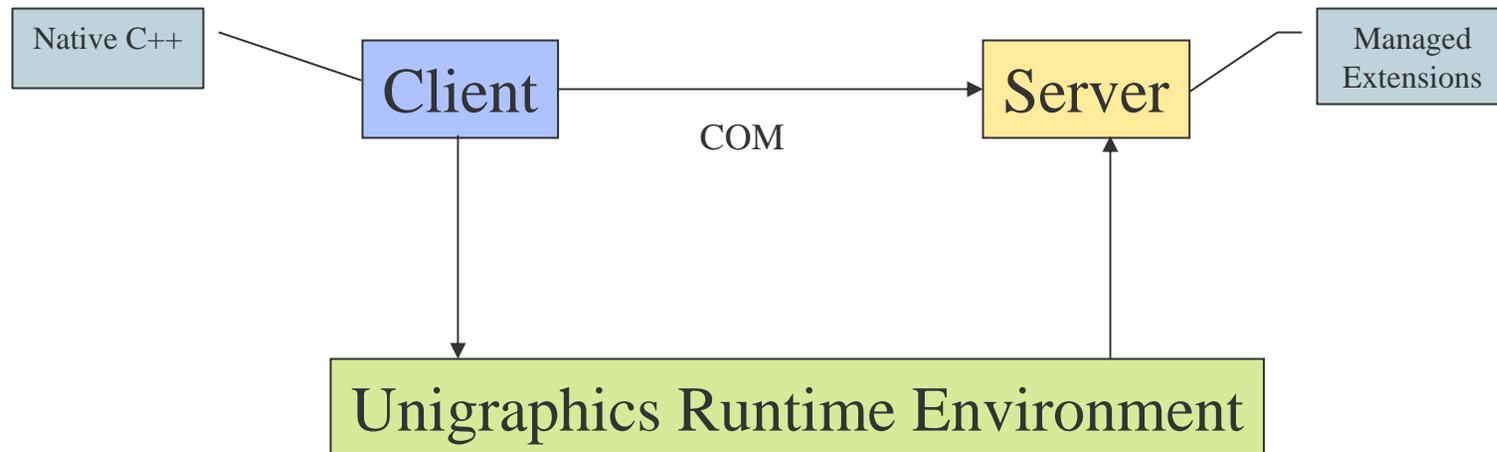
Internal Application

- Deployment
 - Two DLLs
 - Client using forms (ctrl-U)
 - Server providing forms
 - Picked up by UG during runtime



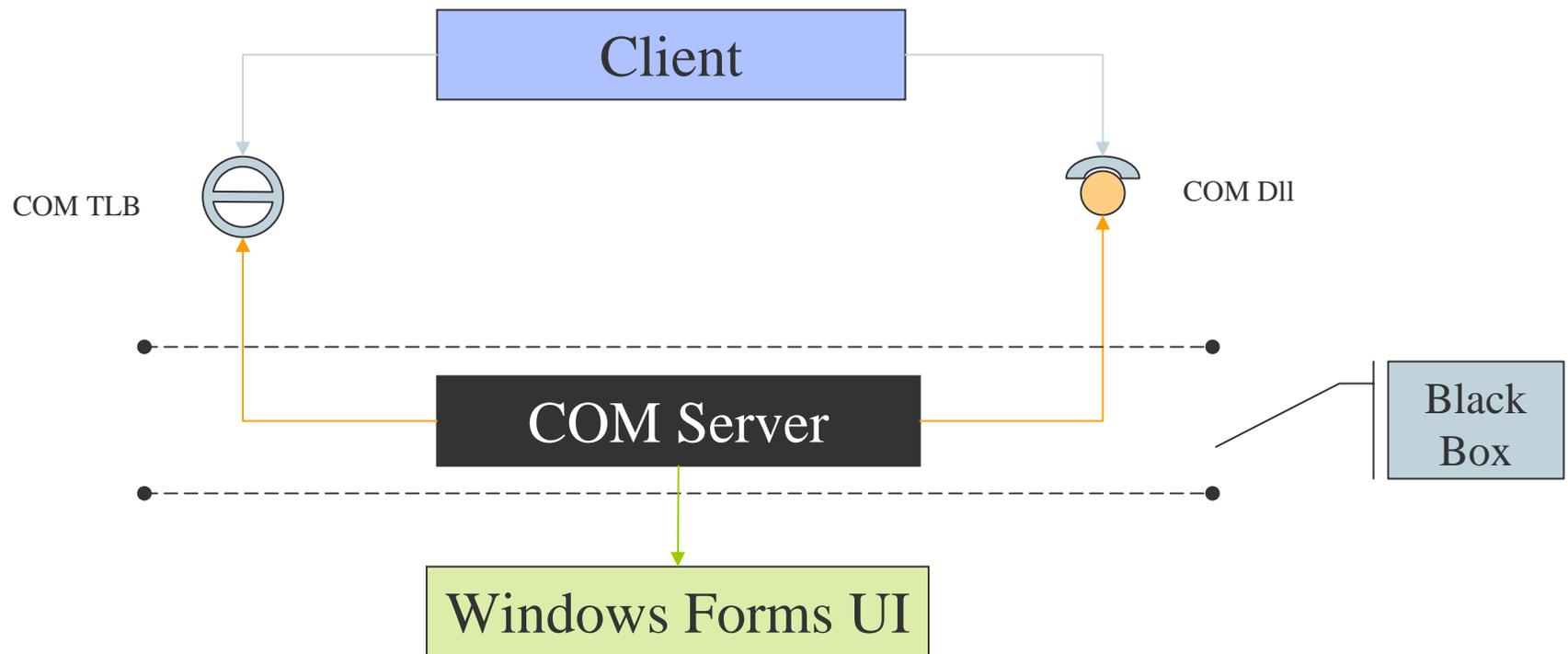
Internal Application

- Technology
 - Native C++ using .NET Managed Extensions
 - COM Interface to create the server



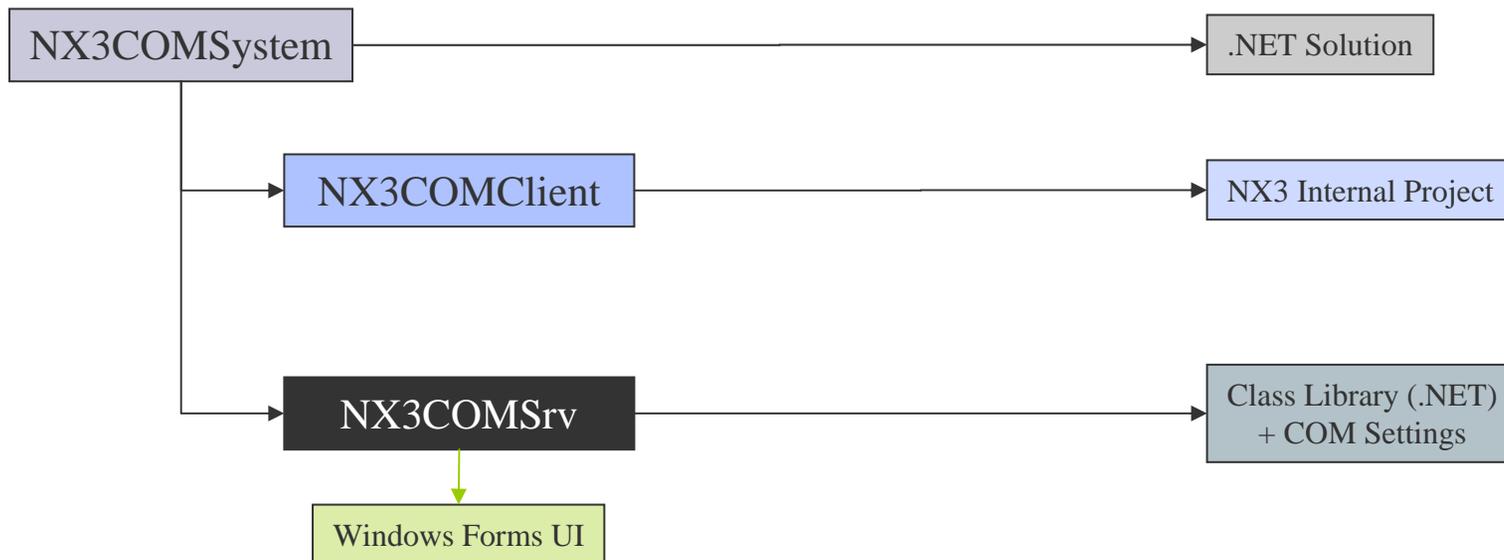
Internal Application

- Technology



Internal Application

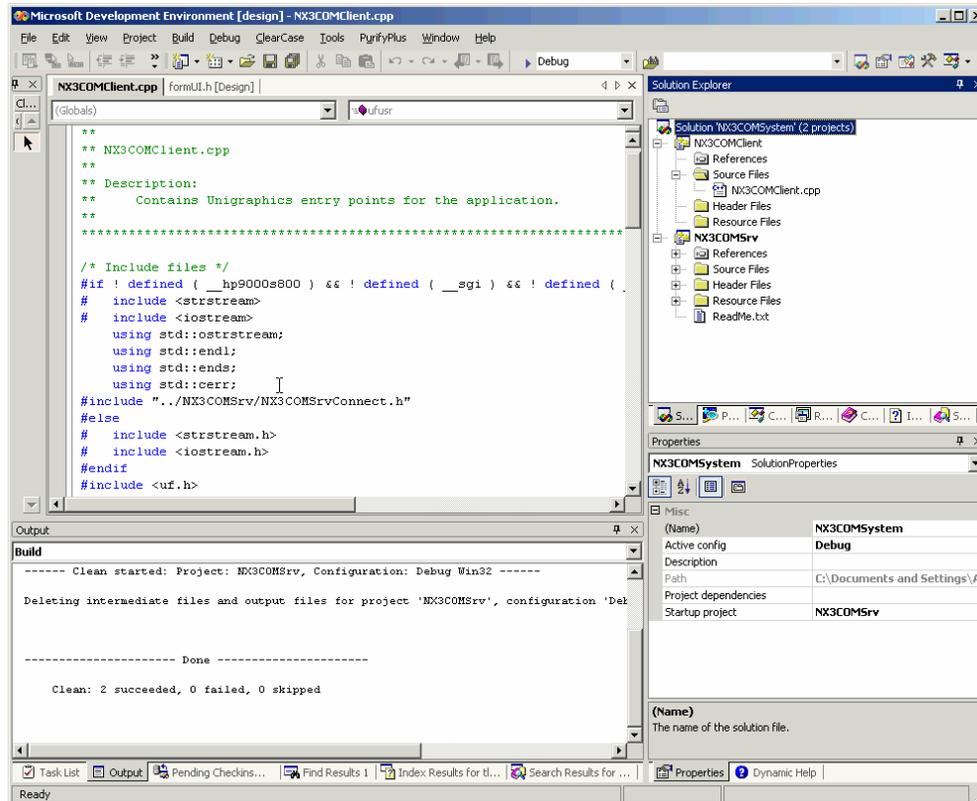
- Project



Internal Application

- Project Steps -
 - Make a New project using NX3 Wizard
 - Give specific names for project folder and solution folder
 - Make some setting changes
 - Copy the COM server folder into solution folder
 - Add COM Server to the solution
 - Set the dependencies between projects
 - Include the tlb header in Client Project
 - Change the Windows Form as needed
 - Build
 - Copy the server dll into UGRE

Internal Application



- Project Demo
 - Already created Project
- For a new Project copy the server project into the new solution dir

References

- MSDN

-  Interoperability

- Presentation package

-  NX3COMSystem

-  NX3ExtDemo