Porting Project

Join the Evolution

Microsoft .NET vs. Gupta Team Developer

Porting Project White Paper

icetea GROUP

Microsoft .NET vs. Gupta Team Developer

Features Comparison

There are no good reasons to stay in legacy mode.
Our widely used technology and methodology converts Team Developer code to clean, well organized, modularized Visual Studio solutions using either C# or VB.NET.

Our well designed and extensively tested .NET library includes advanced features not found anywhere else in a single solution, including: Fluid User Interface (Ribbon), Extensive Skinning, Tabbed MDI with thumbnail preview, Reliable Windows controls, Service Oriented Architecture for Multi-Tier and Distributed Systems, Rich Web Applications based on open source code, Cloud-Ready and secure technology.

Our migration teams will fine tune any migration project to meet most budgets and reduce the overall total cost of ownership resulting in savings that exceed the cost of the project. Sign up for one of our webinars or schedule a meeting for a detailed presentation at iceteagroup.com.

General

	Visual Studio / .NET	Team Developer
Adoption	✓ Most used IDE in the world	Limited
Number of developers	✓ In the millions	In the hundreds
Market acceptance	✓ Huge and growing	Small and shrinking
Team	✓ Hundreds of engineers	Gupta has few engineers left
Research & Development	✓ $10B worldwide	Very limited
Future proof	✓ Guaranteed	Daegis (Gupta's owner) is at risk of delisting from NASDAQ.
Technology	✓ Standard and open	Proprietary and closed.

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IDE

	Visual Studio / .NET	Team Developer
Multiple Projects	✓ Yes	No
Color coded editors	✓ Yes	No
Bookmarks	✓ Yes	No
Image editors	✓ Yes	No
IntelliSense	✓ Advanced	Basic
XML editors	✓ Yes	No
HTML editors	✓ Yes	No
Class diagram	✓ Integrated	External
Debugging	✓ Advanced	Basic
Edit & continue	✓ Yes	No
Task list	✓ Yes	No
Objects browser	✓ Yes	No
Database browser	✓ Advanced	Basic
Multiple build configurations	✓ Yes	No
Customizable add-ons	✓ Yes	No
Third party extensions	✓ Many	None
Macro automation	✓ Yes	No
Customizable Visual Designers	✓ Yes	No
Unit testing	✓ Integrated	No
Source control integration	✓ Open (SVN, CVS, VSS, …)	Proprietary

Runtime

	.NET	Team Developer
Native 64-bit support	✓ Yes	No
Compiler support	✓ Just in time	Interpreted
Dynamic loading	✓ Yes	No
Runtime reflection	✓ Yes	Limited
Click-once deployment	✓ Yes	No
Multithreading	✓ Yes	No
Security policy	✓ Yes	No
Garbage Collector	✓ Automatic	Reference count
Preinstalled	✓ Yes	20MB
Speed	✓ Similar to C++	Slow interpreter
Embeddable	✓ Yes	No
COM Support	✓ Full	Automation only
Exceptions handling	✓ Yes	No
Dynamic Language Support	✓ Yes	No

Language

	C#	VB.NET	Team Developer
Constructors	✓ Yes	✓ Yes	Limited
Polymorphism	✓ Yes	✓ Yes	Partial
Operators overloading	✓ Yes	✓ Yes	No
Language Integrated Query	✓ Yes	✓ Yes	No
Generics	✓ Yes	✓ Yes	No
Enumeration support	✓ Yes	✓ Yes	No
Structured Exceptions	✓ Yes	✓ Yes	No
Dynamic objects	✓ C# 4.0	✓ Yes	No
Interfaces	✓ Yes	✓ Yes	No
Abstract classes	✓ Yes	✓ Yes	No
Access modifiers	✓ Yes	✓ Yes	No
Static classes	✓ Yes	✓ Yes	No
Partial classes	✓ Yes	✓ Yes	No
Multiple inheritance	✓ Interface	✓ Interface	✓ Implementation
Integers data types	✓ Yes	✓ Yes	No
Metadata attributes	✓ Yes	✓ Yes	No
Aspect Oriented Programming	✓ Third party	✓ Third party	No
Proxy Objects	✓ Yes	✓ Yes	No
Namespace support	✓ Yes	✓ Yes	No
Child classes support	✓ Yes	✓ Yes	No
Static methods	✓ Yes	✓ Yes	No
Type extensions	✓ Yes	✓ Yes	No
Type inference	✓ Yes	✓ Yes	No

User Interface

	.NET	Team Developer
Basic controls	✓ All	✓ All
Common controls	✓ All	✓ All
Grid controls	✓ Many	1 or 2
Custom controls	✓ Full support	External DLL
ActiveX support	✓ Full	Partial
Ribbon Bar interface	✓ Microsoft standard	Very limited
Ribbon Bar designer	✓ Advanced	No
Skinning	✓ Advanced	Limited
Skin Editor	✓ Yes	No
Custom skins	✓ Yes	No
Third party controls	✓ Many many	Few if any
Windows Visual Styles	✓ Supported	No
GDI+ support	✓ Yes	No
Advanced controls	✓ Yes	No

Libraries / Features

	.NET	Team Developer
Arrays	✓ Yes	✓ Yes
Collections	✓ Many	None
Dataset support	✓ Yes	No
Objects serialization	✓ Binary and XML	Limited
XML support	✓ Full	Limited
Web Services	✓ Full	Limited
Printing	✓ Full	No
Tracing/Listeners	✓ Full	No
Graphic support	✓ Advanced 2D and 3D	No
OLEDB	✓ Yes	✓ Yes
ODBC	✓ Yes	✓ Yes
ADO.NET/Native	✓ Yes	Proprietary
Silverlight support	✓ Yes	No
ASP.NET	✓ Yes	No
COM/ActiveX Interop	✓ Full	Limited
Multiple language support	✓ C#, VB.NET, F#, J#, …	No
Rich Internet Applications	✓ AJAX, Silverlight	No
Built-in form designer	✓ Yes	No
Component Model library	✓ Yes	No
WPF support	✓ Yes	No
WCF support	✓ Yes	No
Network library	✓ Yes	No

If you have any questions about the listed features do not hesitate to contact us.
We'll be more than happy to go into technical details at any level.

World Wide Partners Network

We collaborate with exclusive partner companies all over the world to provide the best level of assistance to customers that need to migrate their Unify/Gupta systems from TD/SAL to Microsoft .NET and C# or VB NET.

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