

Improve cost, quality, and time to market through predictability in software engineering

Improve Application Development

ACA[®].NET is an execution architecture that brings productivity, quality and consistency to .NET application development.

What Benefits Can I Expect?

- **Better consistency on large development projects**
Through the implementation of design patterns, ACA.NET brings consistency, making your application easier to develop, test and maintain.
- **Increased developer productivity**
Apply code-generation techniques to auto-generate up to 80% of your application code.
- **Reduced code base**
The implementation of architecture services via aspects can reduce the amount of code to write, test and maintain by up to 40%.
- **Increased quality**
ACA.NET provides a blueprint for an application architecture that is tried and tested through thousands of projects and provides a more stable system from day one.

Why should I use it?

ACA®.NET represents the best implementation of re-usable architectural services such as Exception Handling, Caching, Logging and Security and remains at the cutting edge of execution architecture today.

Our people are trained and can hit the ground running, spending more time thinking about your application requirements and less about the plumbing and technicalities of implementation.

ACA.NET reduces the cost to serve your requirements compared to traditional development methods. We'll be able to tell you exactly where and how it adds value through our integrated estimating model.

If you are having difficulties in bringing consistency, quality and productivity to your own organization, ACA.NET can be customized and adopted as your enterprise standard.

ACA.NET 7 has been tested to run on Windows® Azure™, meaning you can leverage the same value from on-premise and cloud-based application infrastructure.

How does it relate to Microsoft Enterprise Library?

Microsoft Enterprise Library was built from a previous version of ACA.NET. Avanade continues to work closely with the Microsoft Enterprise Library team where cross-pollination of knowledge makes both products stronger.

Enterprise Library is used as the foundation of ACA.NET where it uses the core application blocks.

Avanade innovation extends these to create improved methods of implementation and accelerated development. ACA.NET provides additional features that focus on higher level application architecture patterns such as the Reference Data Framework and Data Change Auditing.

“Accenture Software uses ACA.NET 7 as the standard architecture for all of our Microsoft-based Software. The new version has features and frameworks that add significant value to our new and existing products.” – **Jim Adamczyk, CTO, Accenture Software**

ACA.NET Features

- Reference Data Framework
- Data Change Auditing
- Business Error Handling
- Authorization Framework
- Control Extenders
- Localization Architecture
- Globalization Utilities
- Web Application MVPC Framework
- High Availability User State Management
- Database Portability

Technologies / Compatibility

- .NET Framework 3.5
- SQL Server® 2008
- Oracle® Database 11g
- IBM® DB2®
- Visual Studio® 2010
- Windows® Server
- Windows® Azure™



About Avanade

Avanade provides business technology services that connect insight, innovation and expertise in Microsoft® technologies to help customers realize results. Avanade consultants apply their expertise in the Microsoft platform to create innovative solutions that enable large organizations across all industries to improve performance, productivity and sales.

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