

ERPConnect 4.5 vs. SAP® .NET Connector 3.0

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The following comparison is based on ERPConnect 4.5 and SAP .NET Connector 3.0.

Technical Aspects	SAP® .NET Connector 3.0	ERPConnect 4.5
Generic / Dynamic Approach	Supported	Supported
Proxy Class Generation	Not Supported	Supported in Visual Studio plug-in for Visual Studio 2008, 2010 and 2012.
Intellisense	Not Supported	Supported. See Proxy Class generation.
Type-safe Development	Not Supported	Supported. See Proxy Class generation.
RFC protocol	Supported	Supported
SOAP protocol	Supported	Supported
Mobile Devices	No special support for mobile devices	Supported via Special Pocket Version (ERPConnectPocket.dll). Several sample programs and documentation-
Single Sign On	Supported	Supported
Starting SAP GUI	Installation of Support Package required. ¹	Supported

¹ See SAP Note 1258724

API	SAP® .NET Connector 3.0	ERPConnect 4.5
Special API for accessing SAP Tables / Views	Not available	Available
Type-safe table API	Not available	Available. See Proxy Class generation.
Special API for accessing SAP Queries	Not available	Available
Query Search API	Not available	Available
Type-safe Query API	Not available	Available. See Proxy Class generation.
Special API for accessing SAP BAPIs / RFCs	Available	Available
Using Templates for creating BAPI / RFC functions	Not Supported	Supported
Type-safe BAPI / RFC API	Not available	Supported. See Proxy Class generation.
Special API for accessing SAP BW InfoCubes / BEx-Queries	Not available	Supports Dimensions, Measures and Variables.
Type-safe InfoCube/ BEx-Query API	Not available	Supported. See Proxy Class generation.
Special API for load data to SAP BI / BW (BW Loader)	Not available	Available
Special API for executing SAP Transactions (e.g. MMBE)	Not available	Available
RFCServer functionality	Supported	Supported

IDoc	SAP® .NET Connector 3.0	ERPConnect 4.5
IDocs	The classes for sending and receiving IDocs only work on the basis of plane text streams.	Special object / class hierarchy for constructing, sending and receiving IDocs.
IDoc Schema Generator	Not supported	Supported. The schema files can be generated with the schema generator tool which is included in the installation package.
Type-safe IDoc development	Not supported	Supported. See Proxy Class generation.

Development	SAP® .NET Connector 3.0	ERPConnect 4.2
Compiled / Optimized for .NET Framework	<ul style="list-style-type: none"> • 2.0 • 4.0 	<ul style="list-style-type: none"> • 2.0 • 3.0 • 3.5 • 4.0 • 4.5
32 / 64 Bit Environment	Separate Installation / Connector versions for each environment	Same Installation / Connector for both environments.
Development for Any CPU	Not Supported. You must decide for which target platform you want to develop your application, either x86 or x64.	Supported
Target Framework Restrictions	.NET Framework 4 Client Profile is not supported. You must use .NET Framework 4	No Restriction



Tools	SAP® .NET Connector 3.0	ERPConnect 4.5
Transaction Recorder for SAP Screen Scraping	Not supported	Supported
Special API for executing ABAP code on the fly	Not supported	Supported

Licensing	SAP® .NET Connector 3.0	ERPConnect 4.5
Download trial Version via website	Not available	Available
Availability	Available only for SAP customers.	Available without restrictions.
SAP developer license	Required for each developer.	Not required
Connecting non-SAP Systems	May be used only for connecting external (non-SAP) applications to SAP Systems/SAP Solutions. Scenarios, in which two external (non-SAP) applications are integrated via an SAP Connector, are not allowed.	No Restriction
Source Code	Not Available	Available

Documentation & Support	SAP® .NET Connector 3.0	ERPConnect 4.5
Documentation	PDF Documentation	Online Documentation ² .
Documentation Language	English	English and German.
API Documentation	Compiled HTML file available.	Available Online ³
Knowledge Base	No central Knowledgebase available.	Online Knowledgebase ⁴ with samples for many SAP Modules / Business Processes.
Samples programming Languages	Only in C#	Available in C# & VB.Net
Samples Solutions	1 sample solution available only for Visual Studio 2010.	21 sample solutions available for the following Visual Studio versions: <ul style="list-style-type: none">• Visual Studio 2003• Visual Studio 2005• Visual Studio 2008• Visual Studio 2010
Support	Regular SAP support	Support with reaction time of 1 working day via e-mail and telephone.
Support Language	English	English and German.

² [OnlineHelp](#)

³ [ERPConnect API documentation](#)

⁴ [Knowledge Base for ERPConnect](#)