

Rep++ for .NET

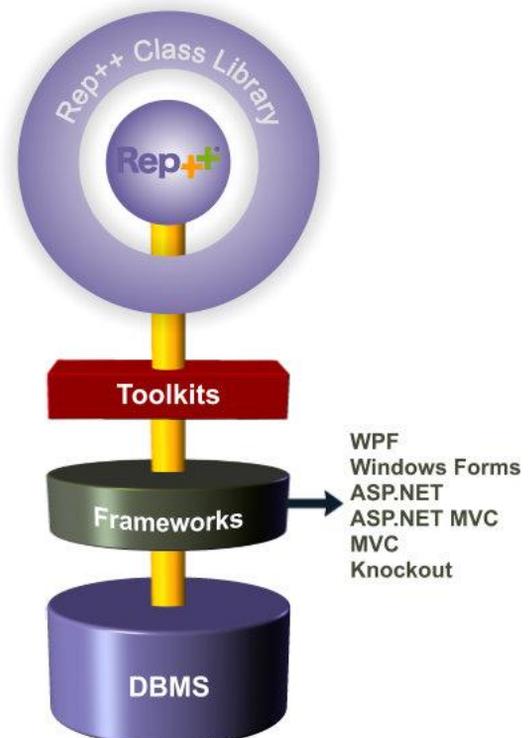
An effective lever
to enhance your agile strategy

Rep++™ is the essential agile model-driven development tool for developers and programmers. Rep++ will considerably accelerate the development of your .NET applications and services for various technologies and architectures. A key complement to Microsoft® Visual Studio® .NET, Rep++ typically shortens sprint cycles by 4-12 times.

At the heart of Rep++ is the Rep++ model, where all your specifications (properties, rules, validations, etc.) are centralized. The model allows you to define and organize all the specifications, without useless duplication. They remain technology independent: the model can therefore be used to build applications and services on various technologies and architectures. Specifications are dynamically linked to applications and services through the powerful model execution mechanism, which eliminates a large part of the programming effort, and applies automatically any specification changes to all applications and services. The model is also associated with a rich class library that you can use to embed your custom code and access the specifications stored in the model.

Rep ++ allows you to develop, integrate, test and maintain your applications and services in a fraction of the time and effort usually required, and in the development environment that you use today. In addition to its model, Rep ++ includes:

- Toolkits adapted to various languages and technologies, which contain a set of enhanced controls that provide access to the model. These controls are extensions of the controls already available in the .NET toolkit.
- Specialized wizards, integrated into Visual Studio, that automate the creation of applications and services according to your chosen architecture, technology and presentation layout.
- Powerful application frameworks for .NET (optional), which standardize the appearance and behaviour of your applications and services while facilitating their implementation in a variety of architectures and technologies.
- Software adaptors that facilitate communication between applications and services developed with Rep++, and those developed with different technologies.



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The agile development approach encourages an iterative and interactive development process with a model that can evolve. In an agile methodology, each iteration has clear and achievable goals and ends with a working prototype, so that all stakeholders, including customers, can evaluate and measure the progress made, and guide more precisely subsequent iterations to ensure that the product corresponds to changing expectations.

With its centralized model, its model execution capability and the automation of code production for rapid prototyping, Rep ++ is the most powerful model-driven agile tool on the market. It allows you to:

- Establish a centralized system for managing, organizing and documenting your model specifications. You can define specifications or import them into the model if you have an existing information system.
- Share and reuse your specifications in your applications and services, and query specifications through the model execution mechanism. Specifications are dynamically linked to all of your applications and services, which eliminates much of the coding usually required.
- Secure the specifications in the model. Security is a critical issue because the specifications determine the behaviour of applications.
- Ensure the best performance for data access through the use of native drivers for the most popular DBMSs.
- Take advantage of the powerful Rep++ assistants to catalyze the creation of applications and services on different technologies and architectures from your model. Wizards automate the production of much of the code. You thus reduce the coding, testing and maintenance efforts, and increase the efficiency of your development team.
- Simplify, unify and standardize the behavior of your applications and services. The Rep++ frameworks are designed to integrate a large number of complex functions such as management of the transaction and handling of the elements it contains, navigation between elements, error handling, and many others. You only have to focus your efforts on your business rules.
- Accelerate the deployment of your mobile applications.
- Facilitate the implementation of a service-oriented architecture (SOA).
- Integrate your applications with other systems through specialized adaptors.
- Set up and strengthen development best practices in your organization.

