

# Azure™ Services Platform

## Interoperability with the Azure™ Services Platform

### The Azure Services

**Platform** is an internet-scale cloud computing and services platform hosted in Microsoft data centers. It provides an operating system and a set of developer services which can be used individually or together.

[www.microsoft.com/azure](http://www.microsoft.com/azure)



### Sample Scenarios

#### Supply Chain Management (Java)

Supply Chain Management (SCM) is a general scenario where a retailer provides a products catalog to end users based on products in a warehouse. The sample illustrates the usage and interaction of the Java SDK with Microsoft .NET Services.

#### Classifieds Application (Ruby)

This scenario presents a simple classified advertisement system that can be used to post, browse, or search for ads. This sample shows how to use the .NET Services from Ruby with the Ruby SDK.

### The Azure Services Platform and Interoperability

The Azure Services Platform has been built from the ground up with interoperability in mind. With its standards-based and interoperable approach, the services platform supports multiple Internet protocols, including HTTP, REST, SOAP, and "plain old XML" (POX). This interoperability opens up opportunities to build new or enhanced applications using existing skills with the Microsoft Visual Studio development environment and the .NET Framework, or with other development environments such as Java, or Ruby.

### Interoperability in action with Microsoft .NET Services

Microsoft .NET Services is a key component of the Azure Services Platform that offers a set of Microsoft-hosted, highly scalable, developer-oriented services that provide the key building blocks required by many cloud-based and cloud-aware applications. Much like the .NET Framework provides higher-level class libraries that make developers more productive, .NET Services enables developers to focus on their application logic rather than building and deploying their own cloud-based infrastructure services. While more services are in the works, .NET Services currently includes three core components — Access Control, Service Bus, and Workflow service.

As part of the continued commitment to interoperability, the Microsoft .NET Services offer interoperability by design through industry standards and web protocols such as REST, SOAP, WS-\*, as well as through community based libraries that make it easier to use the services.

## Community-based projects

### Project Goals

The purpose of these projects is to provide open source software development kits (SDKs) which include a set of libraries, tools, prescriptive patterns & guidance, and real world sample applications that will enhance productivity for Java and Ruby developers.

Developers will be able to leverage the Microsoft .NET Services to extend their Java and Ruby applications by using the Microsoft cloud services platform to build, deploy and manage reliable, Internet-scale applications.

## Projects information

### Java SDK for .NET Services

#### Contributors:

Schakra Inc  
Microsoft

#### Project website:

[www.jdotnetservices.com](http://www.jdotnetservices.com)

### Ruby SDK for .NET Services

#### Contributors:

Thoughtworks Inc  
Microsoft

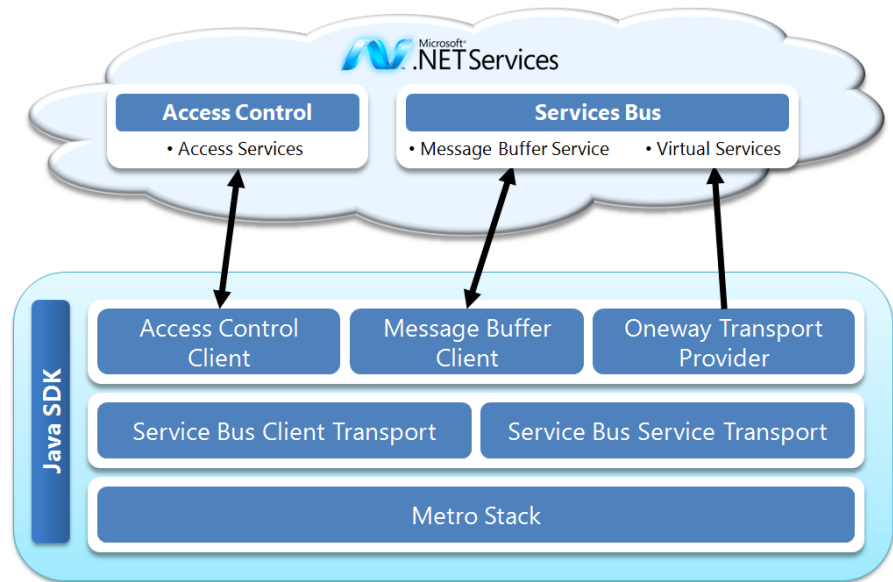
#### Project website:

[www.dotnetservicesruby.com](http://www.dotnetservicesruby.com)

*More SDKs to come: PHP,  
Python*

## Java SDK for .NET Services

The early release of the Java SDK for .NET Services enables java services/clients to use the following features of .NET Services



High level architecture of the Java SDK for .NET Services

The Java SDK for .NET Services is an open source project that offers Java libraries, samples and guidance that help Java developers to build applications using the Microsoft .NET Services. The Java SDK for .NET Services leverages Metro, an open source web services stack that is a part of the GlassFish project supported by Sun Microsystems. Metro includes WSIT, which provides support for the core WS-\* standards and an enhanced support for interoperability with the Windows Communication Foundation and the .NET Framework.

More information at [www.jdotnetservices.com](http://www.jdotnetservices.com)

## Ruby SDK for .NET Services

The Ruby SDK for .NET Services is an open source project that helps Ruby programs communicate with Microsoft .NET Services using plain HTTP. Specifically the SDK includes set of REST libraries, tools, prescriptive patterns & guidance, and sample applications that will enhance productivity for Ruby developers.

Developers will be able to leverage the .NET Services to extend their Ruby applications by using the Microsoft cloud services platform to build, deploy and manage reliable, Internet-scale applications.

More information at [www.dotnetservicesruby.com](http://www.dotnetservicesruby.com)