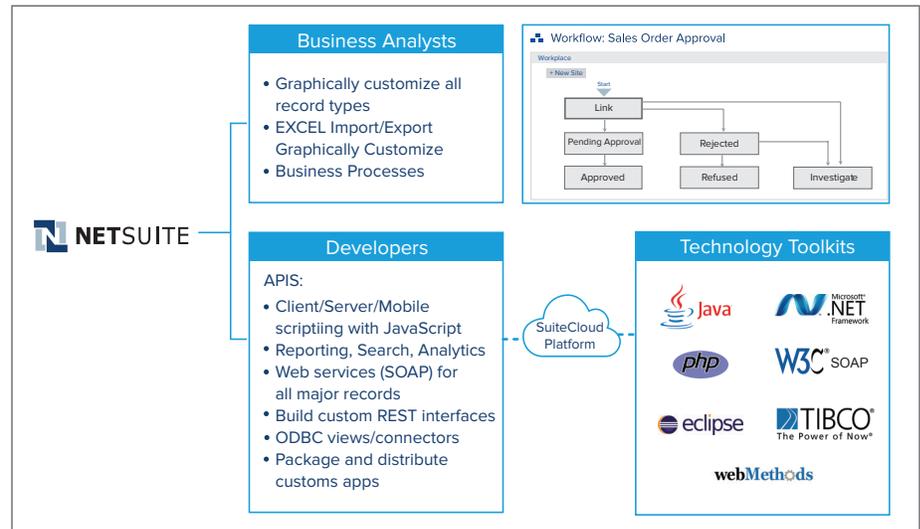# SuiteCloud Platform—Development Tools

Extend NetSuite With the Flexible and Customizable SuiteCloud Platform

SuiteCloud is a comprehensive offering of cloud development tools, applications and infrastructure that enables customers and software developers to maximize the benefits of cloud computing.

SuiteCloud Developer Tools are built to allow both business analysts and technical developers to interact with NetSuite. For instance, business analysts can graphically customize record types and business processes. They can transport data in and out of NetSuite via Excel spreadsheets. On the other hand, NetSuite SuiteCloud platform also offers a wide variety of APIs which developers can leverage for the purpose of developing robust extensions, customizations and integrations. They can further package and readily distribute these custom apps.

The following is a brief description of each of these tools.

SuiteCloud Developer Tools: Components

SuiteCloud Developer Tools provide a comprehensive cloud customization and integration environment, whether extending NetSuite to fit business needs or developing completely new applications or even integrating with existing on-premise or cloud systems.

Function		SuiteCloud Tool
	Cloud application packaging and distribution	SuiteBundler
	Graphical process customization	SuiteFlow
	Programmable logic and scripting	SuiteScript
	Cloud integration	SuiteTalk
	Business Intelligence	SuiteAnalytics
	Point-and-click customization	SuiteBuilder
	IDE and debugger	SuiteCloud IDE

SuiteBuilder
Point-and-Click
Customization

SuiteBuilder: Point-and-Click Customization

SuiteBuilder makes rapidly customizing NetSuite application forms, fields and records a simple point-and-click experience.

Best of all, you never have to worry about version lock because customizations carry over automatically with each new release.

• SuiteBuilder makes it easy to rapidly represent sophisticated data relationships without complex coding, and also change NetSuite to your company's own terminology and branding.

• Powerful field and record management makes it simple to add custom fields such as text, date, drop-down lists or images and objects to applications.

• With the ability to customize form fields, sub-tabs and field groupings, it's efficient to configure just the right form for business needs.

SuiteFlow
Workflow
Engine

SuiteFlow: Workflow Engine

SuiteFlow provides developers and customers with easy-to-use, point-and-click tools to customize and automate business processes across NetSuite and between other business systems.

• SuiteFlow makes it easy to create business processes such as lead nurturing, collections management, sales discounting approvals, purchase order approvals and more.

• Powerful workflow management makes it possible to specify the triggering events that initiate a workflow, such as when records are viewed, created, or updated—or schedule workflows to run automatically.

• Manage the states the record will pass through in the course of the workflow, and define the conditional actions that will occur when the record enters each state.

SuiteScript: Application Development

SuiteScript allows developers and administrators to create flexible business logic within NetSuite tailored to specific business needs— from sophisticated business processes to entirely new applications. Built on industry standard JavaScript, SuiteScript enables full-featured application-level scripting capabilities throughout NetSuite.

- SuiteScript provides a complete set of flexible scripting models to support customization needs, including user event-based scripts, scheduled scripts, client-side scripts, portlet scripts and based on workflow actions.

- In addition, SuiteScript provides a web-based interactive debugger that allows validation and testing of SuiteScript code, providing a powerful debugging toolset with controlled code execution such as step in, out and over as well as execution logs, resolution of local variables, watches and break points.

SuiteScript
Application
Development

SuiteTalk: Web Services

SuiteTalk Web Services integration makes it easy for customers and developers to integrate NetSuite with existing on-premise investments and third-party cloud applications, build website-to-NetSuite integrations or create lightweight custom mobile applications.

With a full complement of SOAP Web Services across the suite and a framework that supports lightweight REST-based integration, SuiteTalk makes it easy to integrate NetSuite the way you need it most.

- Enables integration using Java, Microsoft .NET or any other development language that supports SOAP-based Web Services.

- RESTlet framework for lightweight integrations allows developers to define their own procedure for standard REST functions such as POST, PUT, GET and DELETE.

- Powered by a robust security model that manages service requests using standard NetSuite authentication, authorization, session management and encryption.

SuiteTalk
Web Services

SuiteAnalytics: Business Intelligence

SuiteAnalytics provides embedded Business Intelligence to any customizations or applications built with SuiteCloud, eliminating the need for developers and IT to deal with the complexities of separate reporting tools, BI cubes or data warehousing. With its intuitive graphical toolset, SuiteAnalytics enables end-users to self-serve real-time analytics across all areas—financials, orders, customers, opportunities and all custom objects—to quickly get the business answers they need.

SuiteAnalytics
Business
Intelligence

SuiteBundler: Application Packaging and Distribution

SuiteBundler:
Application Packaging and Development

SuiteBundler makes it easy for partners and end customers to package up and deploy customizations and applications that have been built on the SuiteCloud platform. Whether you're moving customizations from a sandbox environment to a production environment or you're an ISV or SI looking to package industry or domain expertise and distribute to thousands of end customers. SuiteBundler makes it easy to "bundle" groups of customizations, manage versioning and deploy customizations nearly instantaneously.

"CUSTOMIZATIONS ARE A KEY REQUIREMENT FOR SAAS APPLICATIONS AND NETSUITE HAS INVESTED HEAVILY TO OFFER APPLICATION CONFIGURABILITY OPTIONS AS WELL AS PLATFORM DEVELOPMENT OPTIONS."

Alexander Drobik, Nigel Rayner
Source: Gartner : Develop a Strategic Road Map for Postmodern ERP in 2013 and Beyond

SuiteCloud IDE and Debugger

NetSuite IDE and SuiteScript Debugger
Cloud Debugging Tools & Environment

SuiteCloud IDE is an Eclipse-based IDE that is packaged for NetSuite platform development. It is purpose-built to enable you to build SuiteApp functionality on top of the NetSuite infrastructure while leveraging the applications that have already been built on the same infrastructure using tools such as SuiteScript and SuiteTalk.

Consistent with the Eclipse Perspective feature to control the visibility of items in a model and the user interface, a NetSuite Perspective provides functionality for manipulating your NetSuite projects and resources. The NetSuite Perspective consists of an editor area that displays source file editors you can use for your code. The NetSuite Perspective mainly uses the JavaScript and HTML editors for NetSuite projects, such as SuiteScript and SSP application projects.