SCA Java

Tuscany SCA Java

Tuscany Java SCA is a lightweight runtime that is designed to run standalone or provisioned to different host environments. The modularized architecture allows users to pick and choose modules that cater to their business needs therefore resulting in small footprint.

At a high level,Tuscany Java SCA infrastructure can be divided into two categories of modules: core and extensions. The core modules consist of selectable components that provide support for SCA and data handling as well as the core runtime. The core runtime includes functions such as loading system and application services, building and managing composites. The extension category consists of a set of selectable modules that support integration of various technologies that are required in SOA environment. This includes support for various protocols through bindings, programming languages through implementations, data types, security and transaction through policies. This whole thing constitutes an SCA node. An SCA composite application can be spread across multiple nodes in a cloud or be run on a single node. This administrative scope is referred to as the SCA domain.
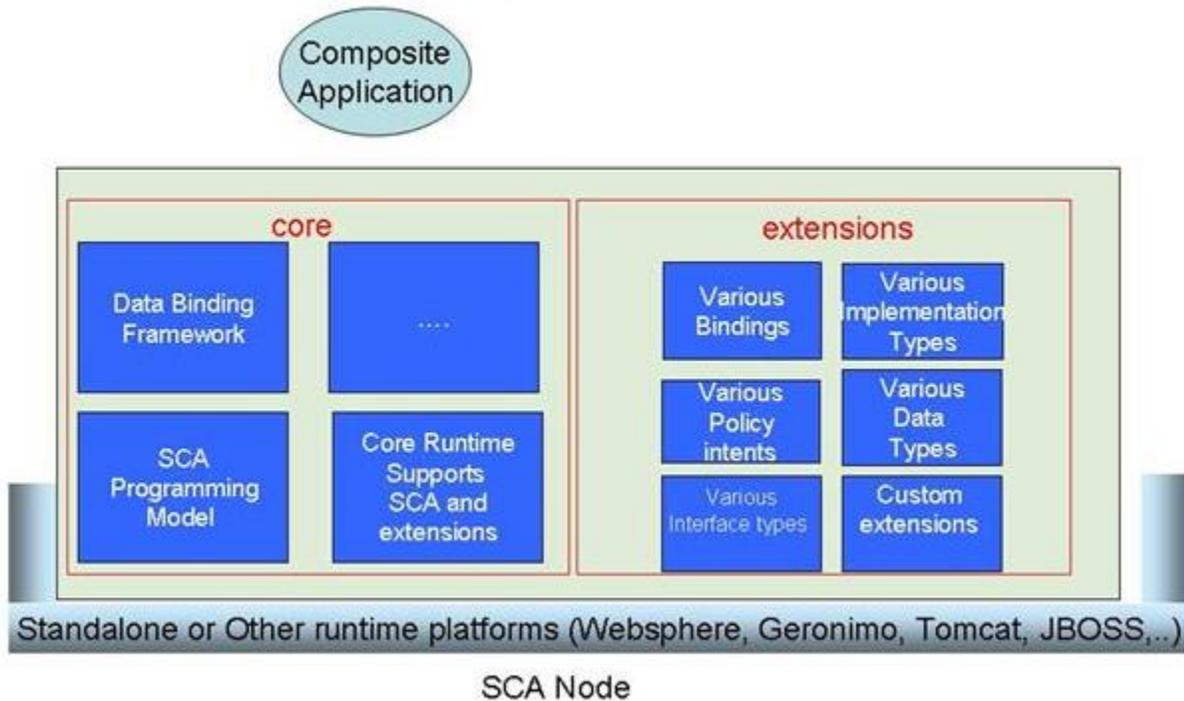
For a complete list of supported extensions please see extension documentation . The extensible architecture of SCA Java allows any missing extension to be easily added.

Tuscany SCA Java has implemented SCA specifications 1.0 defined by www.osoa.org in its 1.x code line. Tuscany community is working on compliance with OASIS version of SCA in 2.x code line. To document the work in progress we have created a roadmap page on our wiki Java SCA Roadmap Wiki Page. Please consider yourself invited to get involved in any of these items or suggest new ones that you want to work on.

Build your first SCA application in 10 minutes! Give it a try