



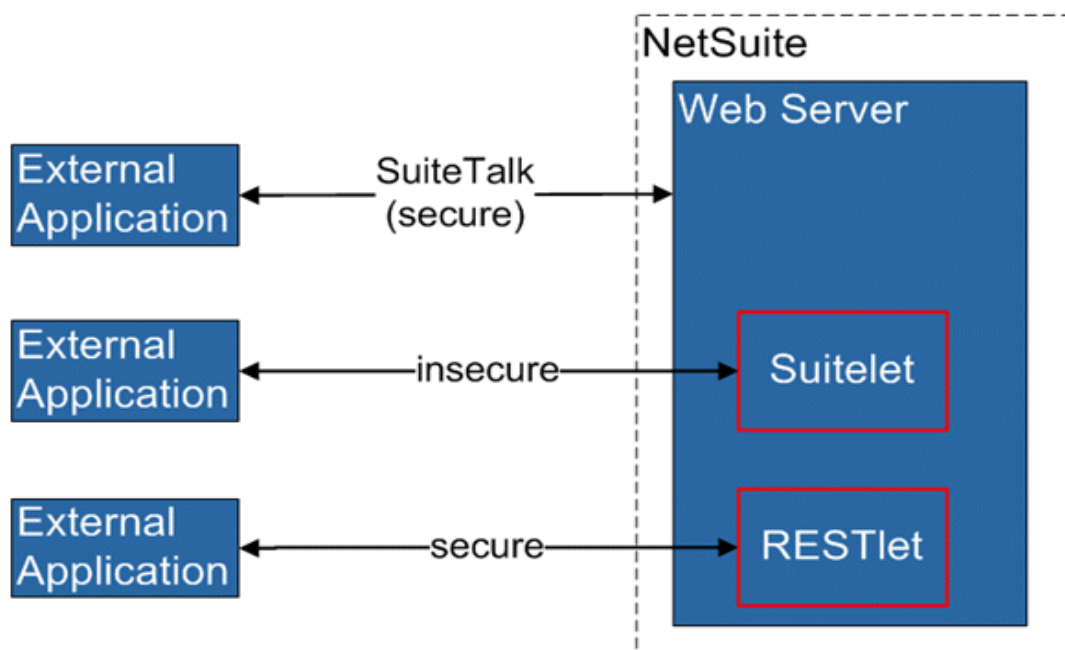
PBCC - NetSuite & Website Integration

Overview -

The Philadelphia Boys Choir and Chorale wants to integrate their existing website with NetSuite. NetSuite provides following integration platforms -

- **SuiteTalk** - The SuiteTalk Platform provides programmatic access to your NetSuite data and business processes through an XML-based application programming interface (API). Generally speaking, the SuiteTalk Platform has the following characteristics:
 - SOAP encoded web services
 - HTTPS Transport
- **RESTlets** - RESTlets are server-side scripts that interact with NetSuite data following RESTful principles. RESTlets extend the SuiteScript API to allow custom integrations with NetSuite. RESTlets are more lightweight and flexible than SOAP-based web services.
- **Suitelet** - Suitelets are extensions of the SuiteScript API that allow you to build custom NetSuite pages and backend logic. Suitelets are server-side scripts that operate in a request-response model, and are invoked by HTTP GET or POST requests to system generated URLs. (**Not recommended because of security**)

RESTlets vs. Other NetSuite Integration Options -



RESTlets Compared to SuiteTalk -

The following table compares the characteristics of RESTlets with those of SuiteTalk's SOAP-based web services:

Attribute	RESTlets	SuiteTalk
Supported Operations	get, search, add, update (heterogeneous)	get, search, add, update (homogenous)
Authentication Supported?	Yes	Yes
Supported HTTP Methods	GET, PUT, POST, DELETE	POST



Passing of Login Details	in authorization header	in body (SOAP)
Passing of Parameters	GET parameters on URL	all parameters in body (SOAP)
Supported Content Types	JSON, text/xml (explicit)	text/xml (explicit)
Environment	lightweight, more suitable for mobile devices, bundleable	heavy programming and deployment environment (C#, Java)
URL Clarity?	Yes https://rest.netsuite.com/app/site/hosting/restlet.nl?script=57&deploy=1& recordtype=salesorder&id=21480 (Note that for clients hosted by NetSuite, use the relative URL that does not include the domain.)	No https://webservices.netsuite.com/services/NetSuitePort_2011_1

Lirik Integration Approach -

Lirik team prefer integration using RESTlets as they offer advantages over other platforms. If PBCC team would like to use SuiteTalk platform for integration, Lirik team will help them because these services must be consumed in PHP/Drupal code. More details on this can be found [here](#).

For RESTlets based integration, Lirik team will develop and host API interface within NetSuite. Lirik team will also provide API reference guide which will include JSON input and output formats.



Further details on consuming REST based APIs in Drupal can be found using following links -

- <https://www.drupal.org/node/763006>
- <https://www.drupal.org/node/347536>
- https://api.drupal.org/api/drupal/core!core.api.php/group/third_party/8.2.x
- <https://www.drupal.org/node/627270>