# Connectivity Agent

### Overview

Connectivity Agent displays information about SIM cards and performs basic operations like disconnecting SIM card from the network. This Agent provides one common model and API to supports multiple providers like JasperWireless, Comarch, Ericsson.

All the configuration details related to the provider are stored in tenant options. The configuration option contains provider-specific parameters like license key and basic values like provider name, provider URL, username, password.

### Agent Configuration

The following conditions has to be fulfilled to access the agent directly from the platform:

To access agent directly from the platform following property has to be defined in the platform:

* system.connectivity.microservice.url property has to be defined in the platform and it has to point to the Agent endpoint, for example <http://localhost:8093/>
* connectivity application must be subscribed to the tenant

### Custom artifacts

For customization of each instance, we use the standard format (a tarball containing zipped applications).

As a convention, Cumulocity uses a standard folder structure for all custom builds for each instance. The custom build or application should be downloaded using the below format:

[https://C8YWebApps:dkieW^s99l0@download.cumulocity.com/targets/<name>/<secret>/apps-custom-<version>.tgz](https://C8YWebApps:dkieW%5es99l0@download.cumulocity.com/targets/%3cname%3e/%3csecret%3e/apps-custom-%3cversion%3e.tgz)  
  
Note: The web server will search first for the custom build file with the given version “apps-custom-<version>.tgz”, if the initial search fails the web server searches for the default package “apps-custom.tgz”. When both the file searches are unsuccessful, the server throws a 404 error.   
  
~~Many customizations will probably be created once and never changed.~~

The custom build or application is fetched and installed after the built-in applications, so there might be a possibility that the custom build may replace default built-in applications.