

ComponentCallerAPI / EventConverter

ACS Workshop

Introduction

- For years the interaction of the system with the external world has been through databases
- As technology has been moving towards web and micro services, it was proven very inefficient to create mechanisms to communicate state and information to the outside world
- In particular, there's a service for obtaining and persisting information related with shifts
 - Arrays Created
 - Scripts Executed
 - Weather Entries
 - etc.

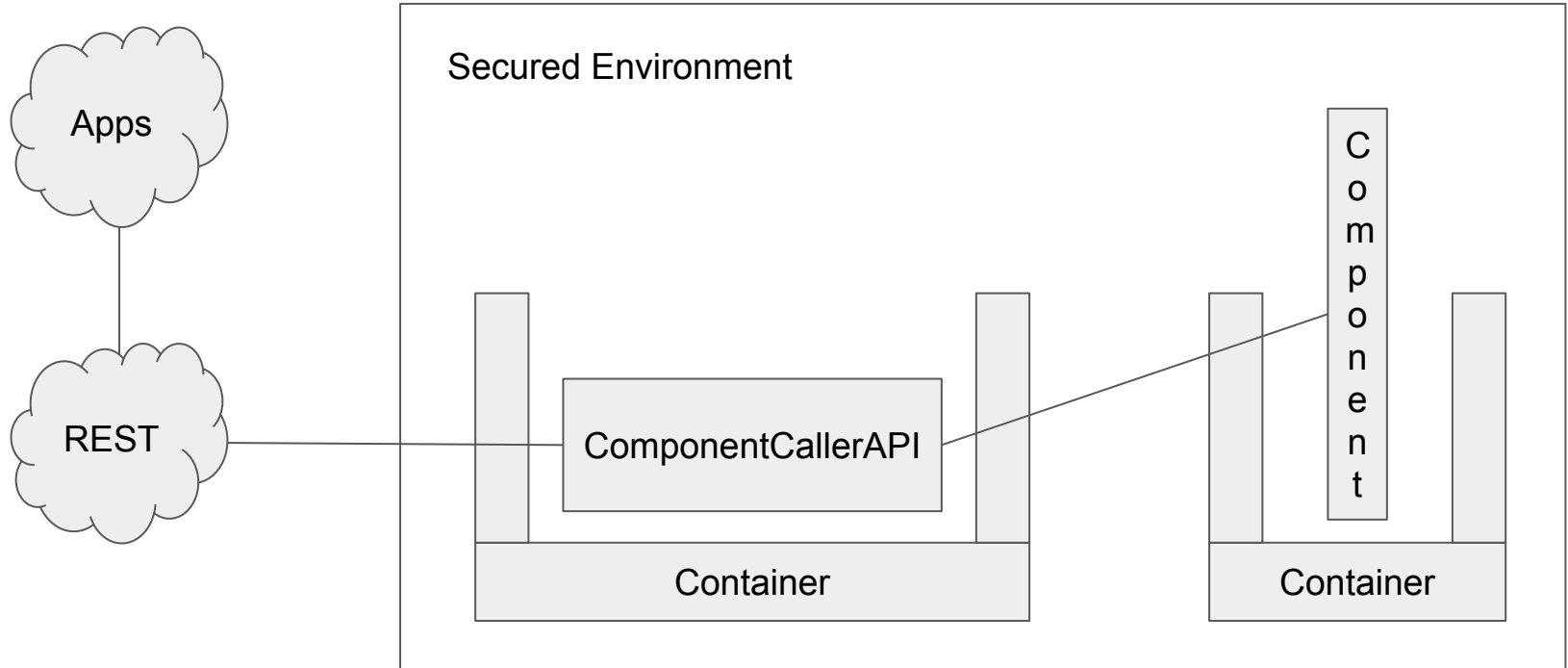
Introduction

- A couple of years ago this service was refactored to receive events from an ONLINE component that requested all the required internal data
 - While this worked, the team in charge of it weren't experts in ACS and didn't want to have to worry about those details
 - At that point we started to define the architecture for a more flexible mechanism

Requirements

- Be able to call components using a REST API
- Be able to subscribe to events
 - Unreliable subscribers
 - Reliable subscribers
- There are messages that should be maintained in the system even if the subscriber is not available at the moment
- Several subscribers should be able to subscribe to the same channels and events

Architecture



Architecture

