**Aug 31**

15

**[Type the company address]**

Introduction to the UCB OpenBAS Prelease

David Culler

[Type the abstract of the document here. The abstract is typically a short summary of the contents of the document.]

08

**Fall**

This document provides a overview of the UCB OpenBAS 8/21/14 Pre-release, describes some of the underlying concepts, and illustrates a typical usage case. This in not the same as installing a consumer product, as this seeks to illustrate how the current OpenBAS system is created from its Open Source code base. Much of what is presented here would be handled within typical commercial project packaging. Our understanding is that DOE is keen to see what is “beneath the hood”.

The architecture of the entire system OpenBAS system is shown in Figure 1. It is accessed from any display device, such as a computer browser, tablet, phone, or embedded display. We discuss the OpenBAS presentation later. It is a simple, open source web application that can be extended, customized, or modified, built using the meteor framework (<https://www.meteor.com/>) over the OpenBAS api (application programming interface). The core of OpenBAS is constructed using the open source sMAP (simple Monitoring and Actuation Protocol) infrastructure. This comprises four kinds of RESTful web services.

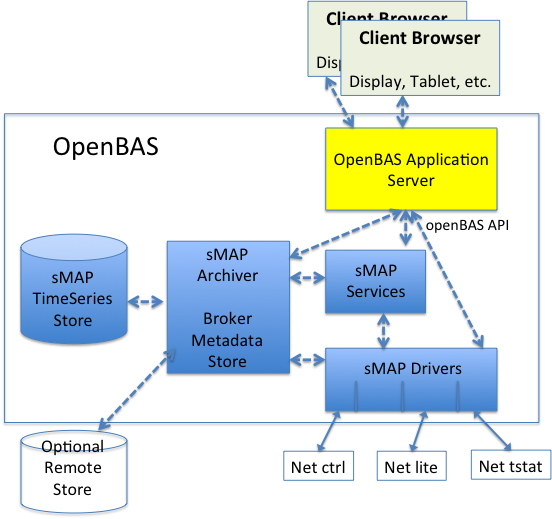


Figure OpenBas RESTfull WebService Architcture