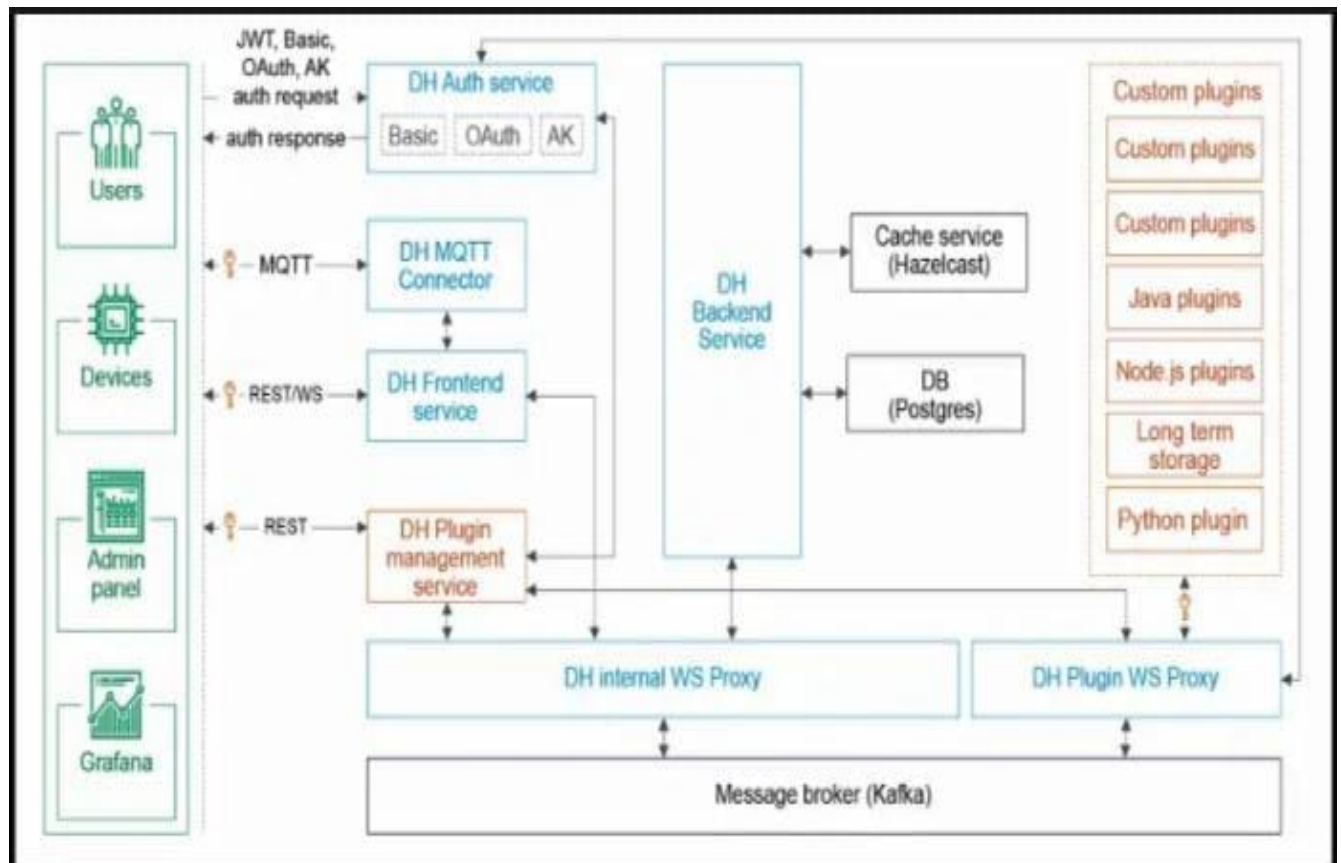


PROJECT PLANNING PHASE-2

OPEN-SOURCE FRAMEWORKS

DATE	13 October 2022
TEAM ID	PNT2022TMID46164
PROJECT NAME	Smart farmer-IOT enabled smart farming applications



- 5 best open-source framework.

- Device Hive is an open source IOT cloud service management platform, license under the Apache license version 2.0, with a particular focus on big data analytics

Open-source IoT frameworks

Devicehive



Apache 2.0 license



Based on multi-programming language libraries



It is device-agnostic



Best for big data processing

Zetta



MIT license



Based on Node.js libraries



Most customizable



Converts every device into an API

Kaa



Apache 2.0 license



Based on Java libraries



Most secure and reliable



Uses MQTT protocol

Distributed Services Architecture



Apache 2.0 license



Based on multi-programming language libraries



Enables communication in decentralized manner

SiteWhere



CPAL 1.0 license



Based on Java libraries



Requires original source attribution for derivative work



It offers highly scalable solutions