

MobileTechCon 

Pavel Lipanov | SAPRUN

How to speed-up your business mobilization



ADGENDA

Who we are

Mobile apps dev effort

What is HyperHive

Using HyperHive

Apps lifecycle with HyperHive

Roadmap and next steps

WHO WE ARE



Foundation
2008



Projects
400+



Employees
350+



SAPRUN is a group of companies focusing on **implementation of IT-solutions** for business on different platforms.

SAPRUN team consists of **professionals** with extensive industry experience.

Offices in Kiev, Moscow and St. Petersburg



DEV DIVISION IS TRANSFORMING INTO THE NEW BRAND

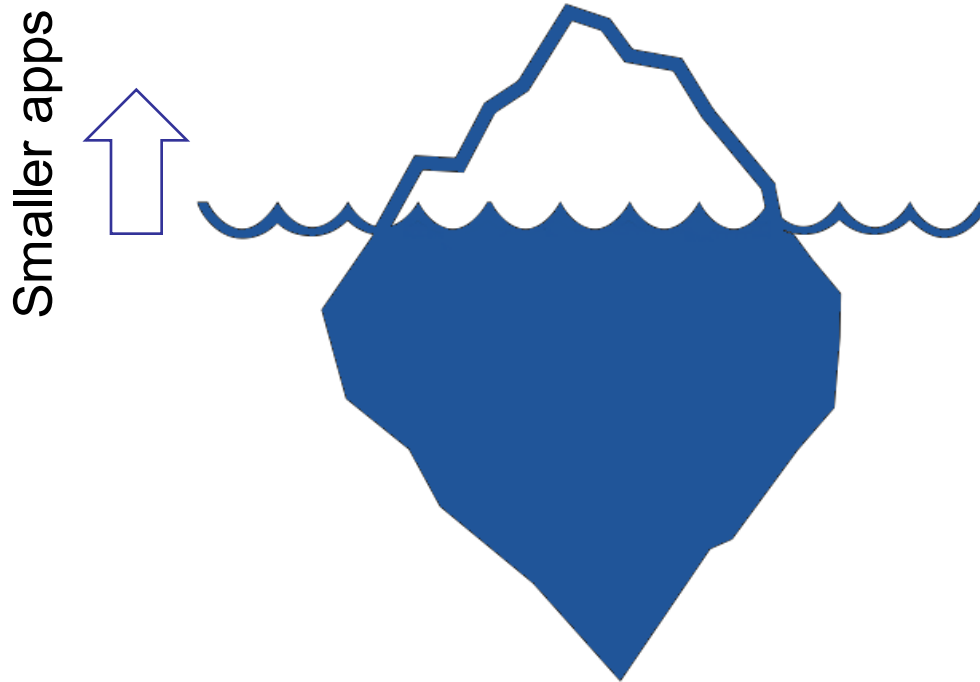


DEVELOP
MENT

EigenMethod



MOBILE APPS DEVELOPMENT EFFORT



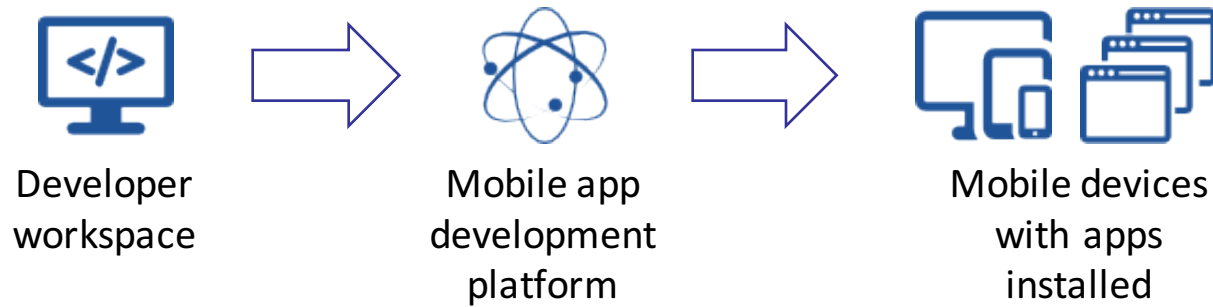
What you see:

- | Images / App screens
- | Content

What is not obviously:

- | Data security
- | Performance
- | Usability / UX
- | Release management
- | Maintenance and support

MOBILE APPS DEVELOPMENT HELPER



HyperHive

USING OUR MOBILE PLATFORM IS THE SOLUTION

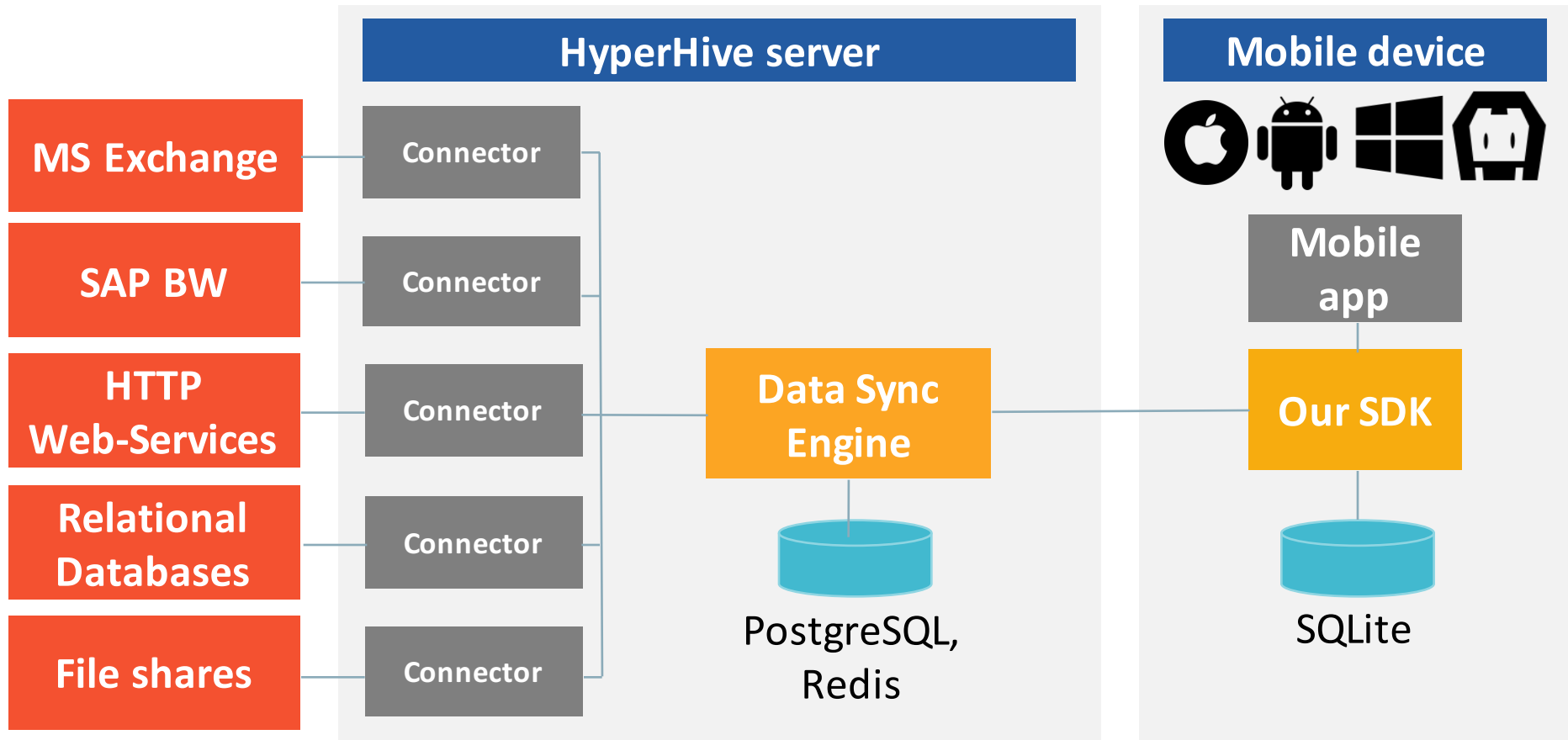


- | One connection point for all mobile devices
- | Data security when transmitting over the internet
- | One application code for several mobile platforms
- | Ready to use connectors to business systems



HyperHive

HYPERHIVE ARCHITECTURE



WHEN YOU NEED HYPERHIVE

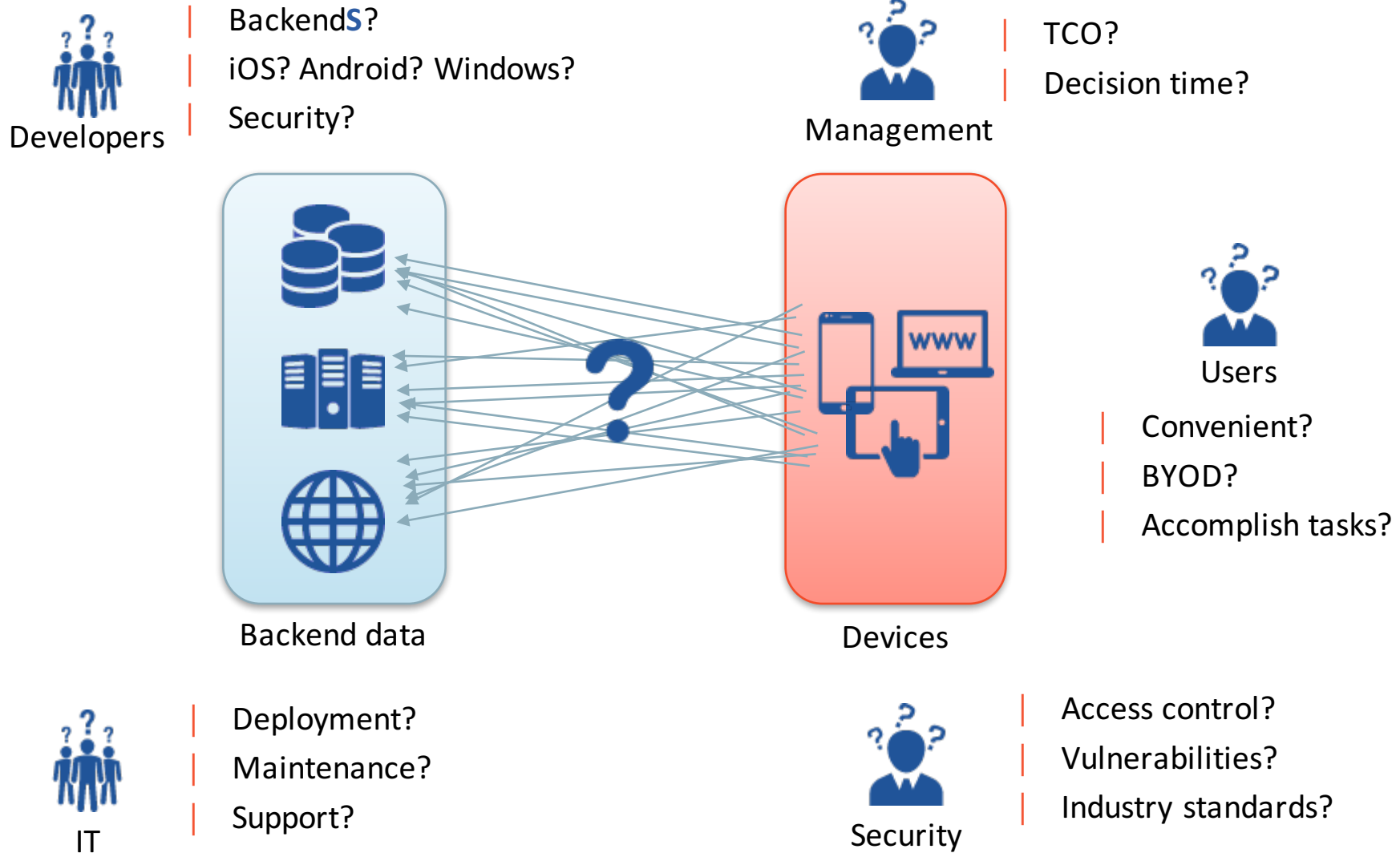


| Two or more
mobile OS

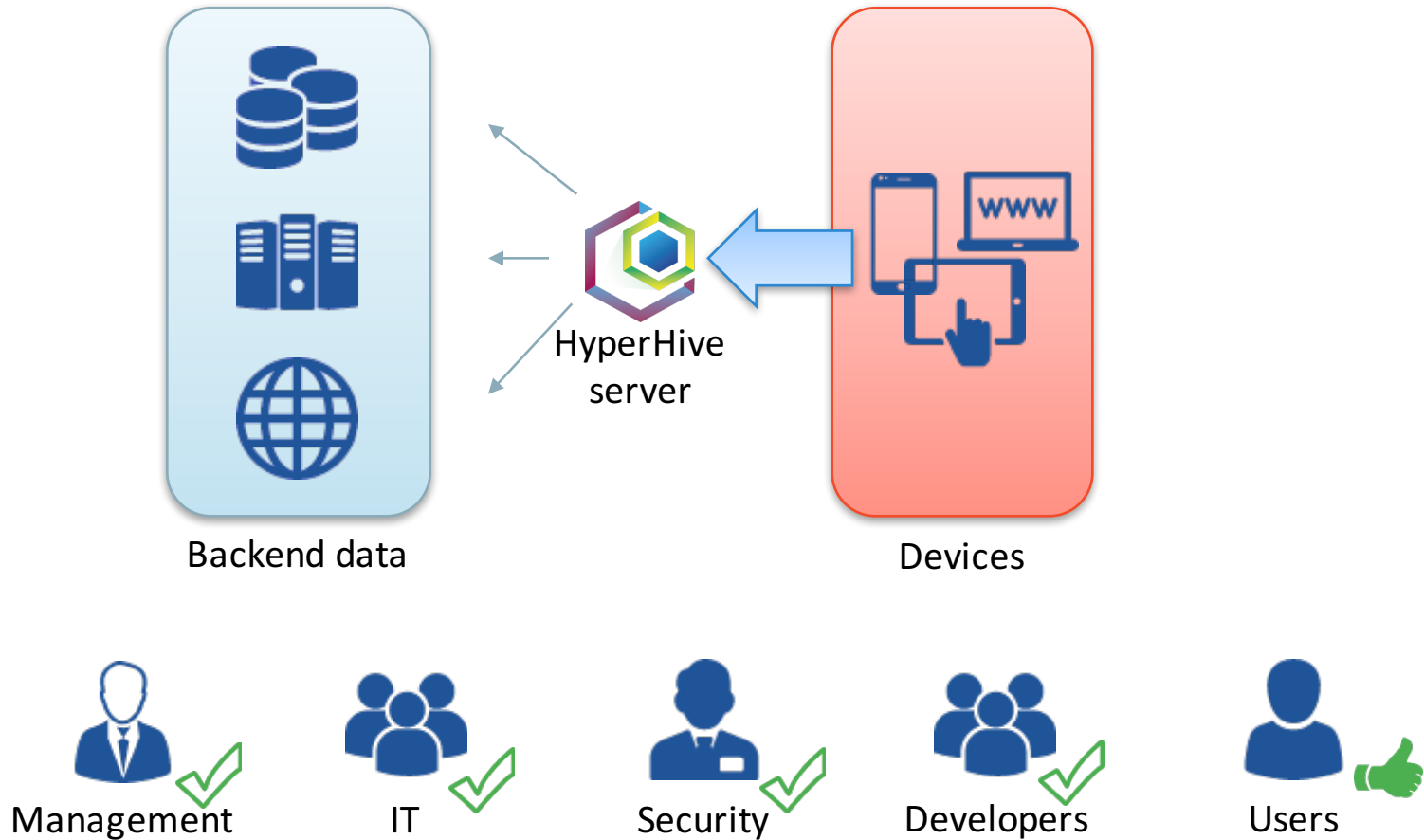
| Two or more
backends

| Two or more
mobile apps

WITHOUT HYPERHIVE



SOLUTION BASED ON HYPERHIVE



HYPERHIVE FEATURES



- | A single point of accessing the data from different sources



- | Authentication in LDAP-compatible sources

- | Single sign-on (SSO)

- | Only changes are synchronized (delta synchronization)



- | Encryption of the data transfer channel and the data locally stored

- | Reducing the loads for business systems



- | Support of popular mobile OS

- | Support of many backends

HYPERHIVE ADDITIONAL SERVICES



| MDM integration



| Notification services



| Sensitive information storage

| Online payment providers support

| Online drive providers support



WE USE OPEN SOURCE TECHNOLOGIES

ASN.1 & JSON

Known standards of data
encoding and
transmission

Python & C++

Programming languages
for effective data
processing

PostgreSQL & Redis

Data storage and in-
memory caching

HTML5

Mobile apps,
user interaction

nginx

Fast and reliable HTTP
web and proxy server

Linux

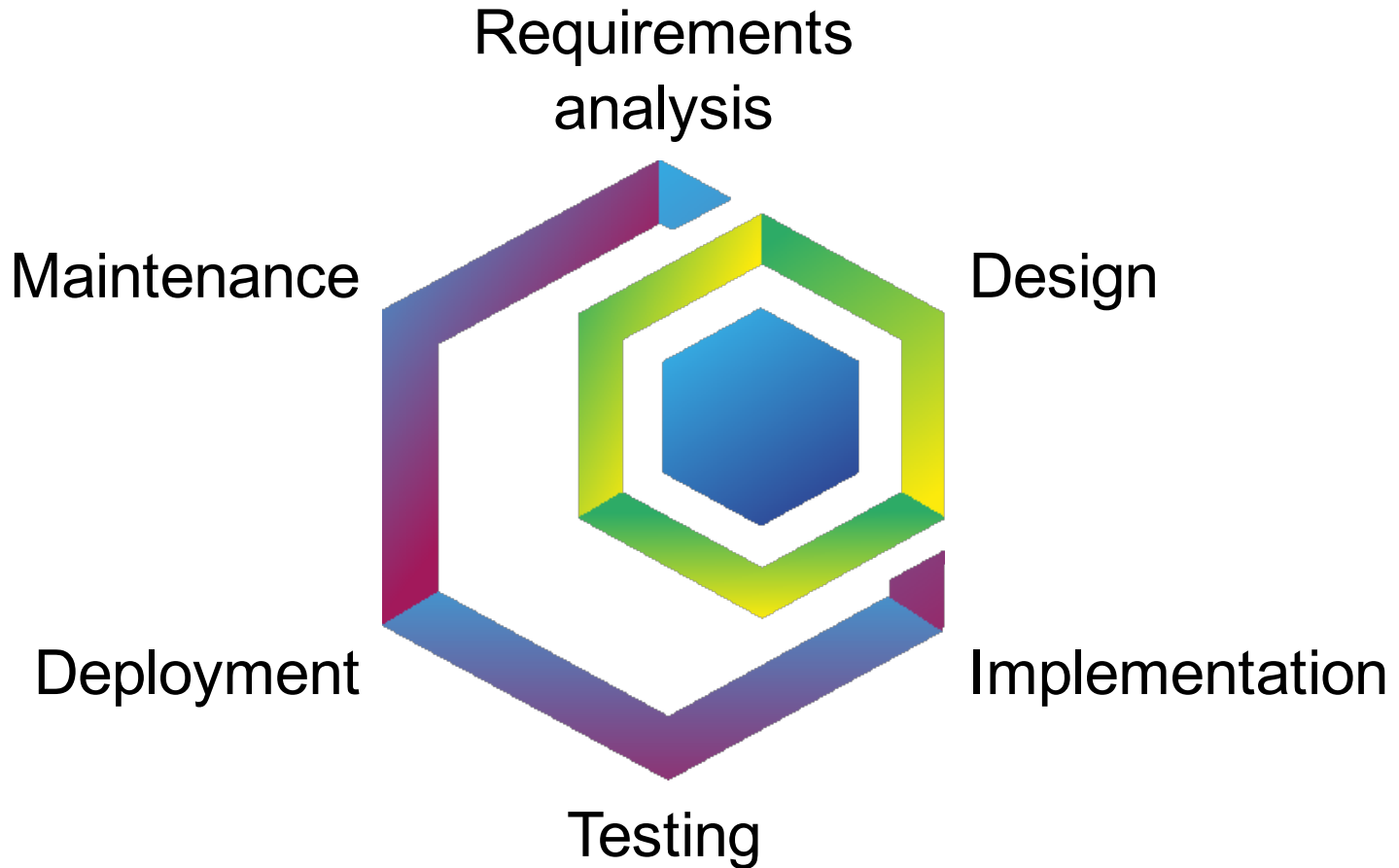
Trustworthy
operating system

SCENARIOS OF USING HYPERHIVE

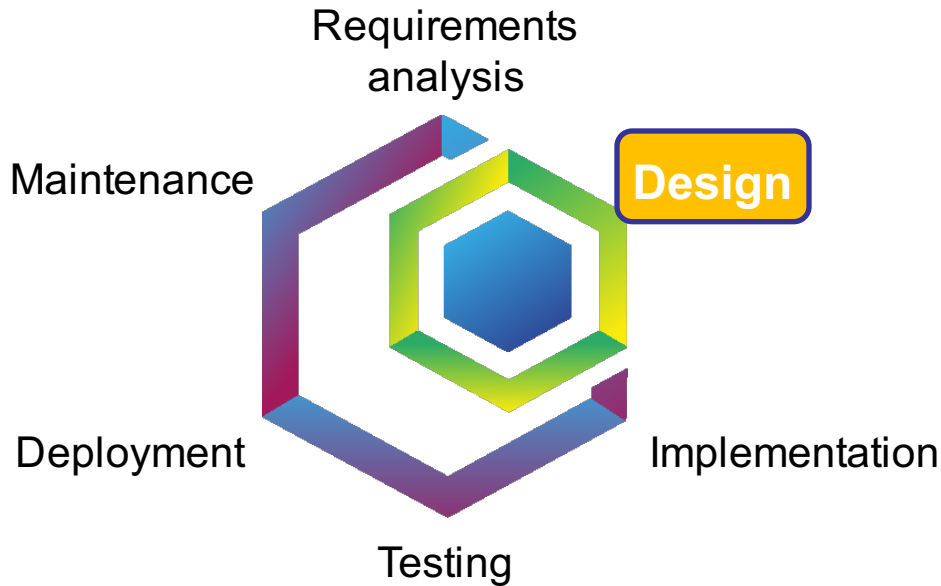
Use HyperHive for:

- | Document flow mobile apps
- | Repairs mobile apps
- | Top manager's mobile workbenches

APPS LIFECYCLE WITH HYPERHIVE



APPS LIFECYCLE WITH HYPERHIVE: DESIGN



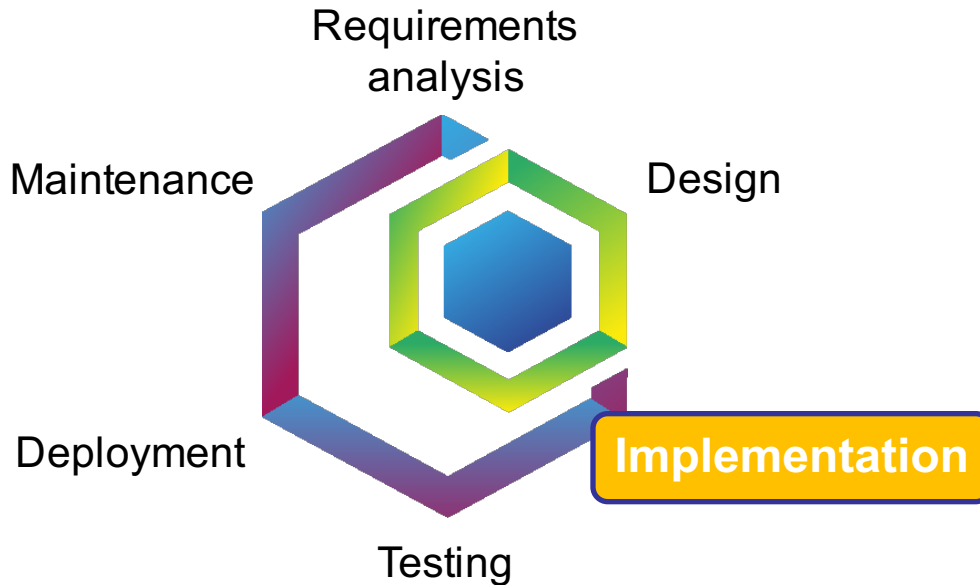
HyperHive

A similar way to access data

A single data access point

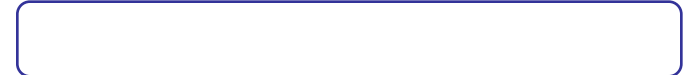
Data security

APPS LIFECYCLE WITH HYPERHIVE: IMPLEMENTATION



HyperHive

A similar way to access data



Data security

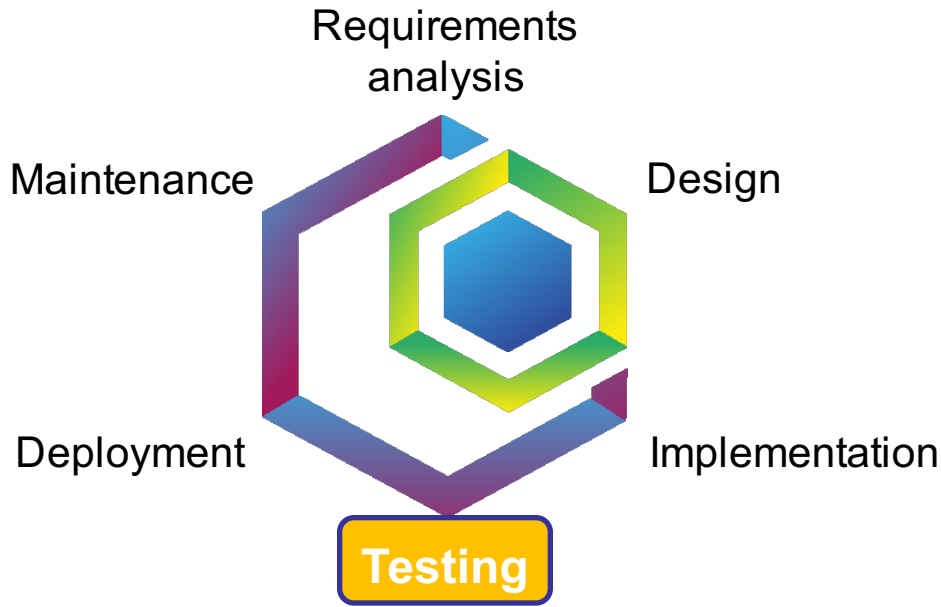
A single app code

Ready-to-use components

Easy to configure backend connections

Logging

APPS LIFECYCLE WITH HYPERHIVE: IMPLEMENTATION



HyperHive

A similar way to access data

A single data access point

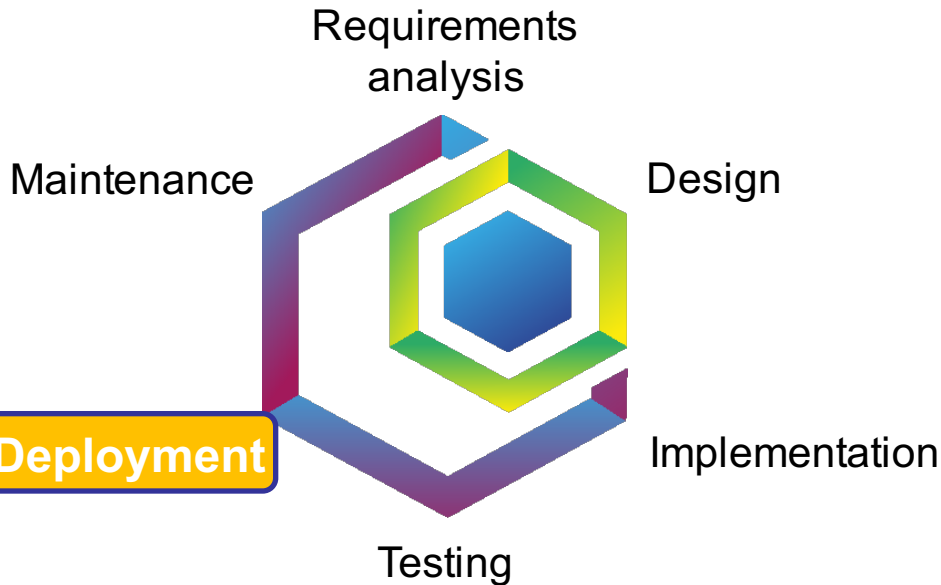
Logging

Integrated environments

APPS LIFECYCLE WITH HYPERHIVE: IMPLEMENTATION



HyperHive



A single data access point

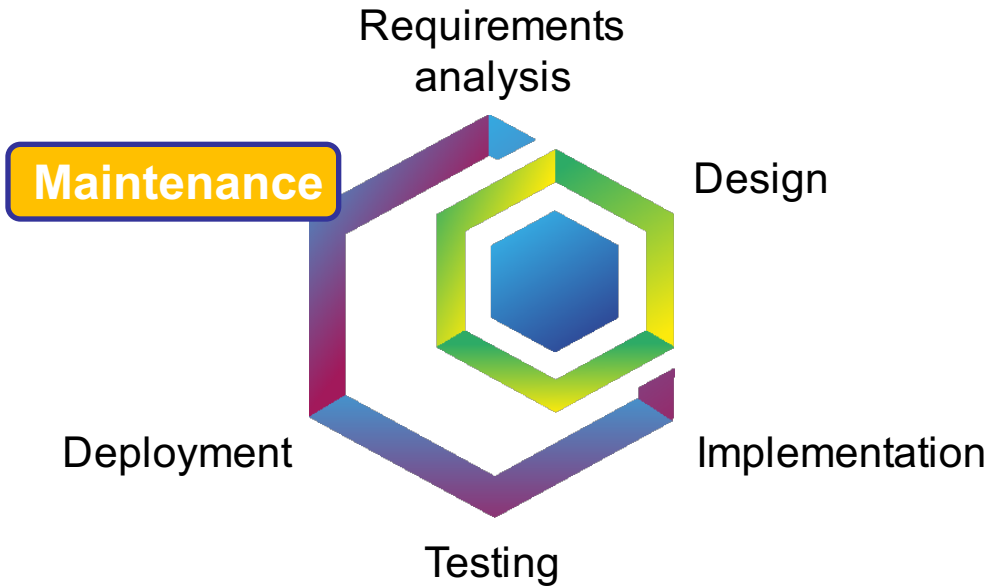
Data security

Easy to configure backend connections

Logging

Integrated environments

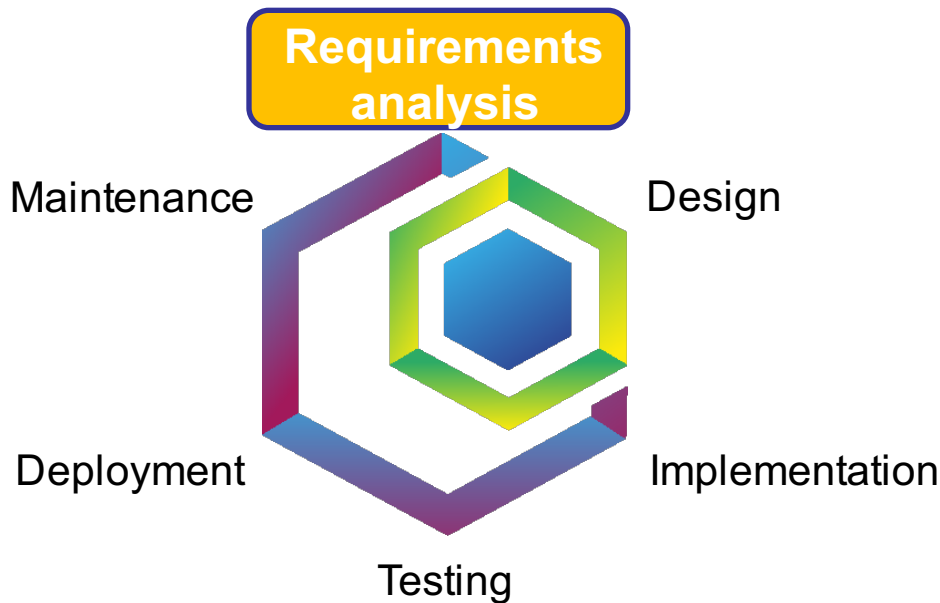
APPS LIFECYCLE WITH HYPERHIVE: IMPLEMENTATION



HyperHive

A single data access point
Data security
Logging

APPS LIFECYCLE WITH HYPERHIVE: IMPLEMENTATION



HyperHive

A similar way to access data

A single data access point

Data security

A single app code

Ready-to-use components

Easy to configure backend connections

Logging

Integrated environments

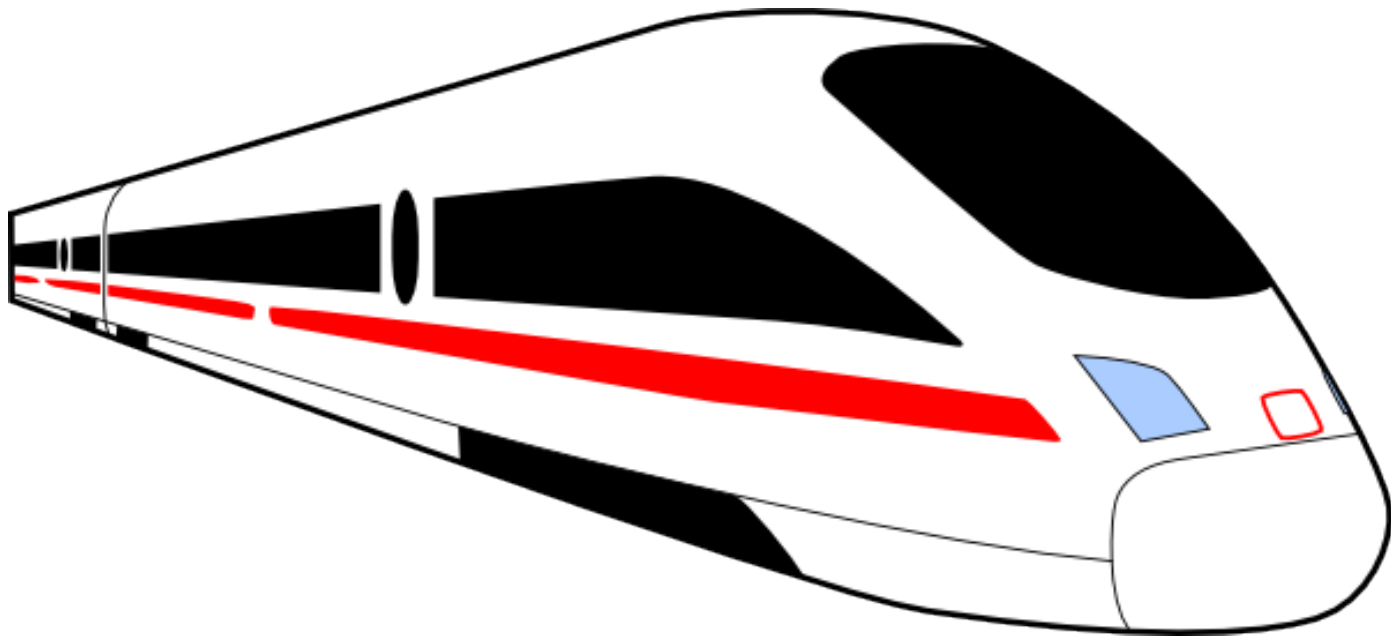
SPEED-UP YOUR BUSINESS MOBILIZATION WITH MOBILE PLATFORM

Rapid
development

Ready-to-use
data
integration

Easy
maintenance
and support

Cost and ROI
reduction



ADVANTAGES IN COMPARISON TO OTHER PLATFORMS

There are several advantages using HyperHive instead of using other mobile apps development platforms:

- | High speed synchronization of big amounts of data
- | Great performance working online with backend data
- | Background data loading
- | Low load from HyperHive to backend systems
- | Loading and updating files on devices

ROADMAP

1Q 2016

- | Common mobile platform features.
- | Backend connectors: SAP, HTTP web-services, Databases, MS Exchange, File shares.
- | SDKs: Cordova, iOS, Android.
- | Caching and delta synchronization.
- | LDAP integration (incl. Active Directory).
- | Push-notifications via MQTT.

2Q 2016

- | HyperHive in cloud.
- | Backend connectors: cloud connector.
- | MDM integration.
- | Additional notification providers: Apple Push Notification services, Google Cloud messaging.
- | Reporting.

Future releases

- | App builder.
- | Additional caching capabilities.
- | New connectors: payment providers, cloud drive providers.
- | Additional encryption capabilities.
- | Additional notification providers: SMS.
- | Local storage encryption on devices.
- | Additional authentication providers.

*See disclaimer for more info

NEXT STEPS IN PLATFORM EVOLUTION

On-premise

- | Full control over solution
- | Common features of the platform supported
- | Provide additional security
- | Hardware needed

In cloud

- | Fast start
- | Pay as you go
- | Software is always up-to-date
- | No hardware needed
- | Additional services available in cloud

App builder

- | Visual constructor for mobile apps
- | Pure integration with your data
- | Platform services available in constructor
- | Available in cloud and in-premise

CONTACT TODAY AND SUBSCRIBE FOR UPDATES

On-Premise

Beta-version on April 18
Needs authorization
Contact us for next steps

In Cloud

Beta-version on May 16
Only registration needed
Pay as you go

DISCLAIMER

The information contained in this presentation is for reference purposes. This information is a property of SAPRAN Group. It cannot be disclosed or transferred to third parties without written permission of SAPRAN Group. Information about product features, used technologies, timing and roadmap of further development, case studies, licensing policy and other terms contained in this presentation is subject to change of SAPRAN Group. It may be changed unilaterally at any time without giving any reason and without notice. The information contained in this presentation may not be construed as an offer or any form of contract.

Questions about this presentation, questions of commercial proposals and conditions of the products mentioned in the presentation, must be addressed in SAPRAN Group.



MobileTechCon[📶]



Speaker: Pavel Lipanov

Contacts:

pavel.lipanov@eigenmethod.com

info@eigenmethod.com

Visit:

<http://www.eigenmethod.com>

<https://youtu.be/EViz-X1aHjI>