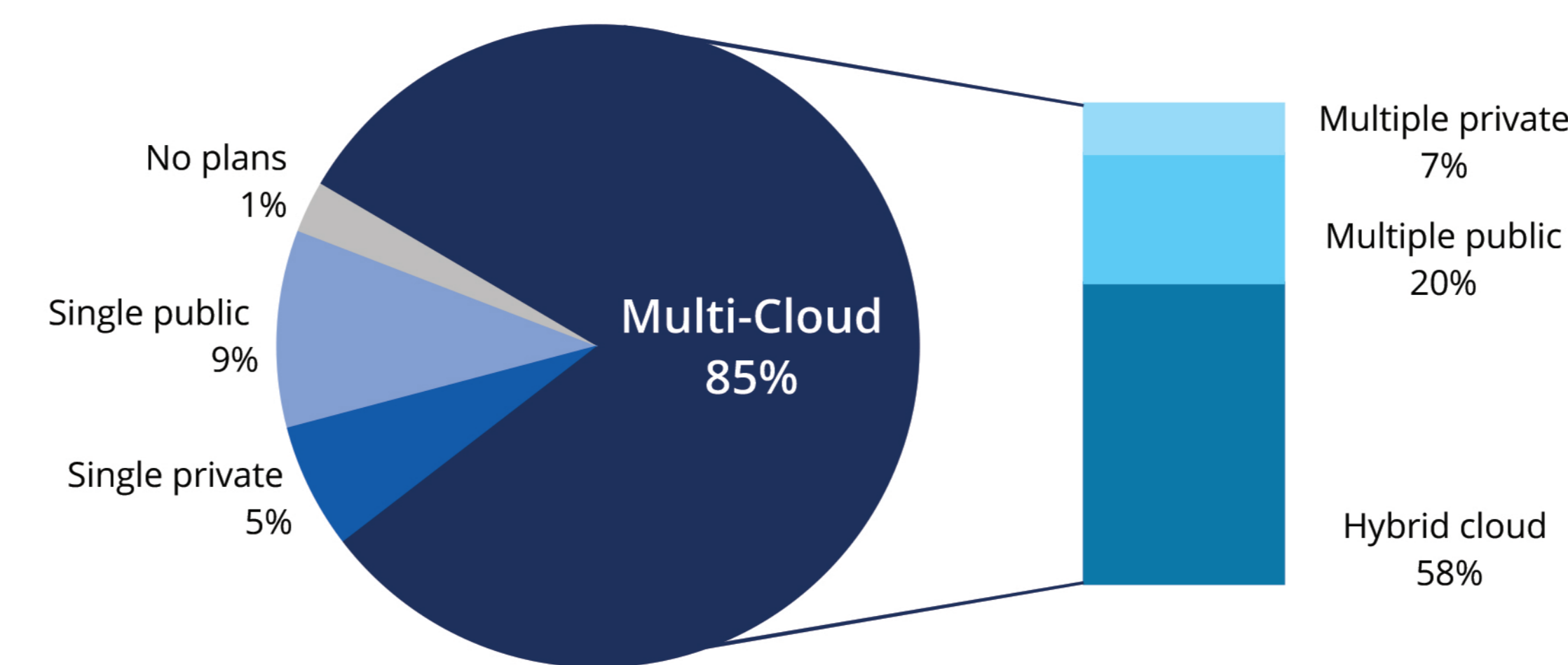**IDC** Analyze the Future

Many organizations are choosing to work with multiple cloud platforms including on-premise private clouds and on-demand public cloud IaaS, PaaS, and SaaS.
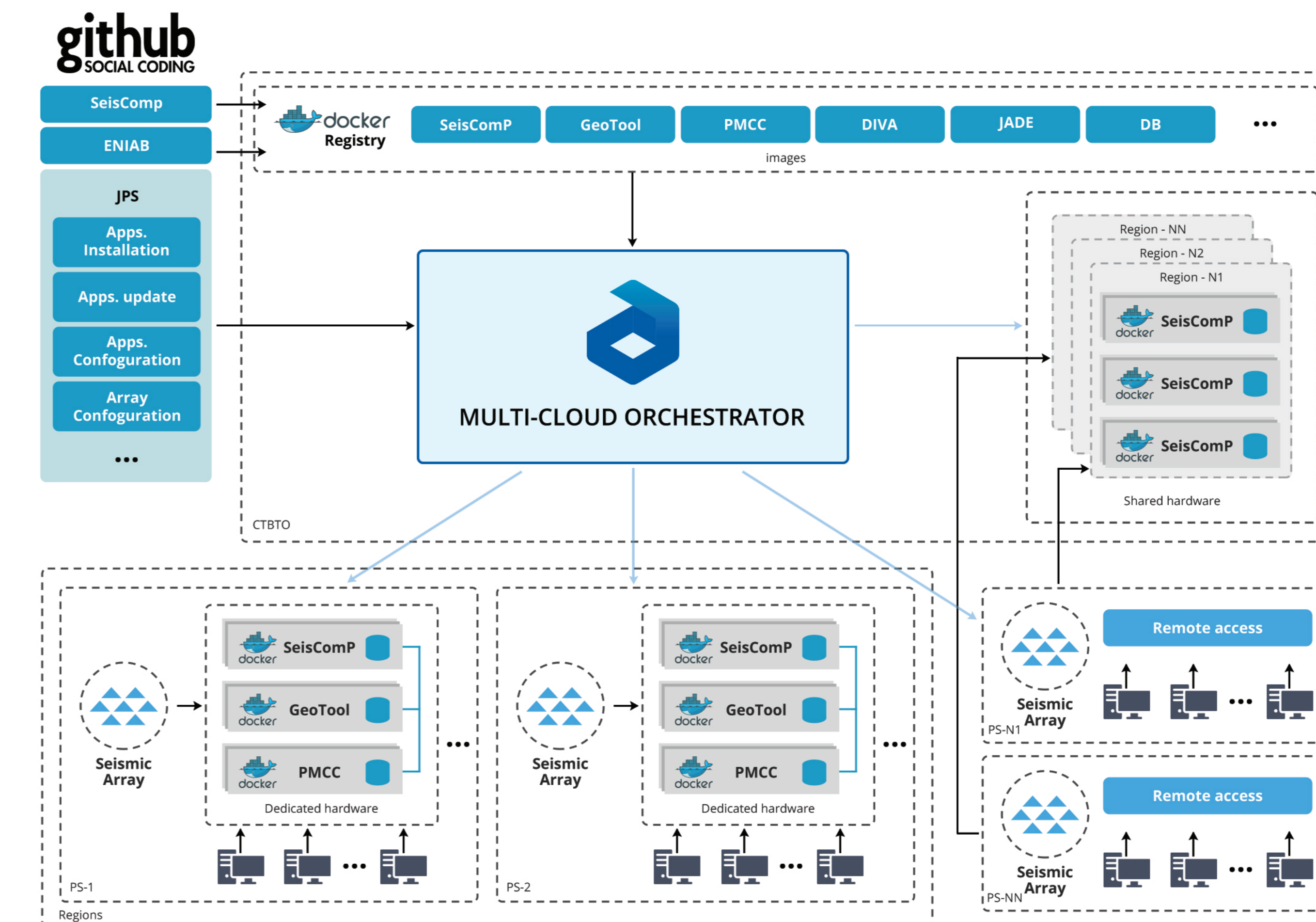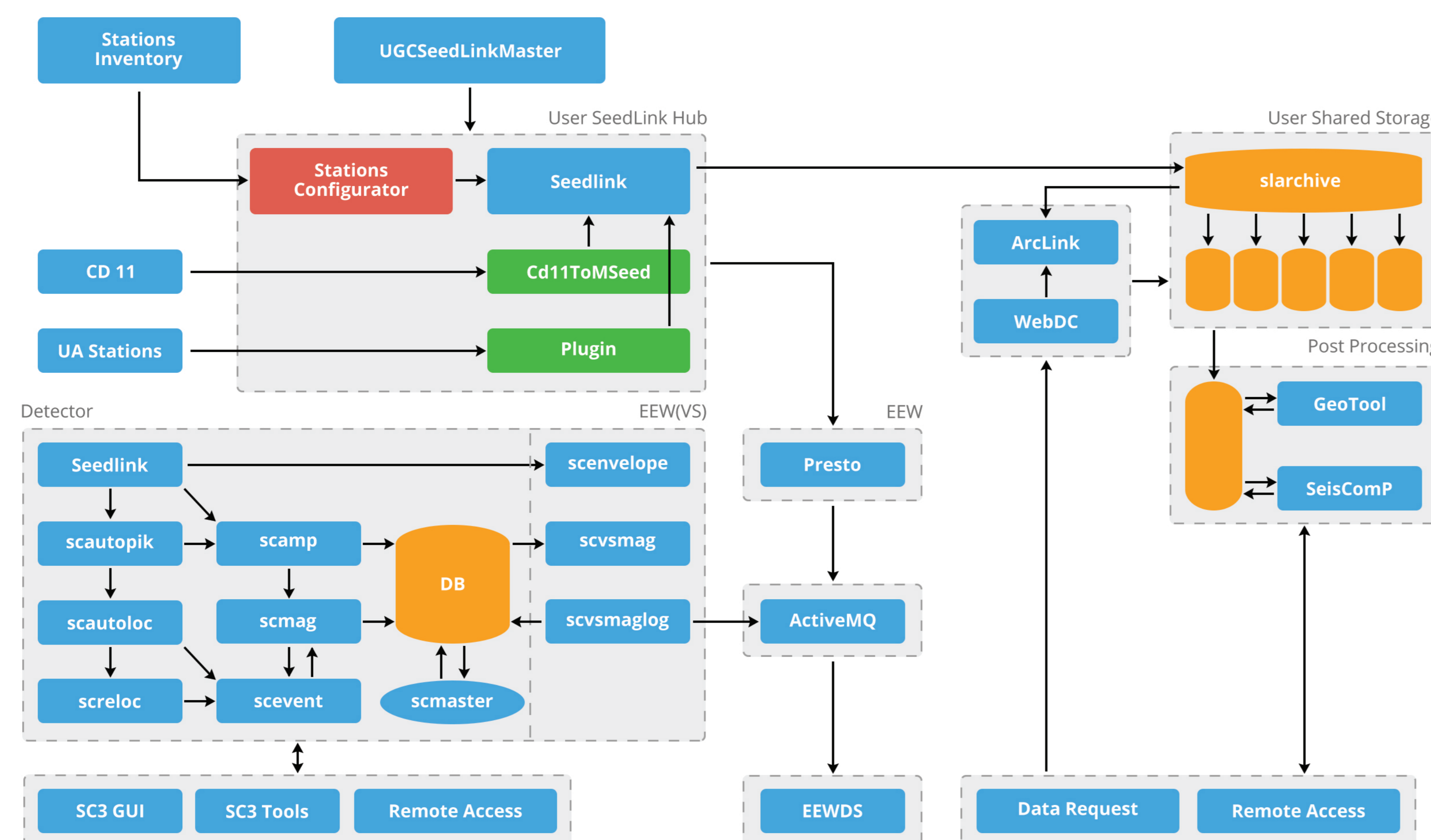
Jelastic Multi-Cloud

Jelastic is a multi-cloud PaaS with rich web UI for easy creation, scaling, clustering and managing monolithic applications and microservices. It can be deployed on bare metal hardware or any IaaS and has integration with different cloud vendors like Azure and Google Cloud.

Enterprise Multi-Cloud Strategy vs. 2016

2017
| 5% | 9% | 20% | 7% | 58% |
1%

2016
| 6% | 9% | 16% | 11% | 55% |
3%

● No plans ● Single private ● Single public ● Multiple public ● Multiple private ● Hybrid cloud
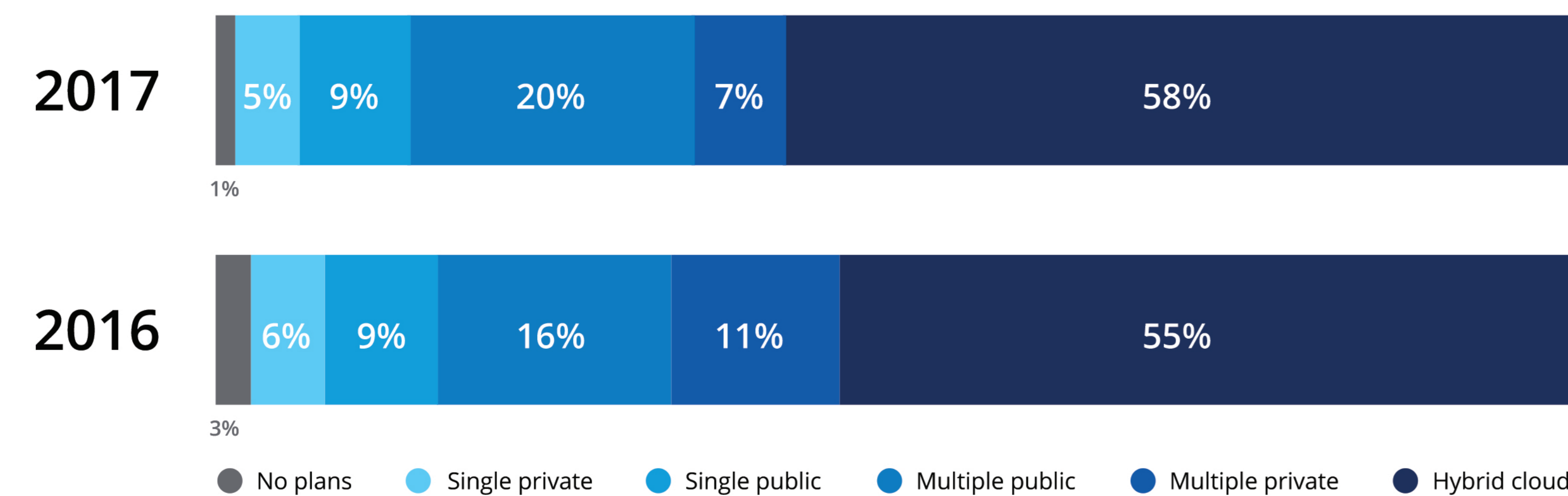
Source: RightScale 2017 State of the Cloud Report

Enterprise Cloud Strategy
1000+employees

No plans 1%
Single public 9%
Single private 5%

Multi-Cloud 85%

Multiple private 7%
Multiple public 20%
Hybrid cloud 58%

Source: RightScale 2017 State of the Cloud Report

SOFTLAYER an IBM Company
JELASTIC Cloud Union
Microsoft Azure
amazon webservices
...

INFRASTRUCTURE

PRIVATE DATA

SEISMO MONITORING WITH JELASTIC MULTI-CLOUD

National Space Facilities Control and Testing Centre (NSFCTC) of The State Space Agency of Ukraine (SSAU)

started to use Jelastic unified cloud platform for easy observation of Earth space and geophysics (UniGeoCloud)

Stations Inventory — UGCSeedLinkMaster

User SeedLink Hub
Stations Configurator — Seedlink
CD 11 — Cd11ToMSeed
UA Stations — Plugin

User Shared Storage
slarchive

ArcLink
WebDC

Post Processing
GeoTool
SeisComP

Detector
Seedlink — scenvelope
scautopik — scamp — scvsmag
scautoloc — scmag — DB — scvsmaglog
screloc — scevent — scmaster

EEW(VS)
Presto
ActiveMQ

EEW

SC3 GUI | SC3 Tools | Remote Access
EEWDS
Data Request | Remote Access

github SOCIAL CODING
SeisComp
ENIAB
docker Registry
SeisComP | GeoTool | PMCC | DIVA | JADE | DB | ...
images

JPS
Apps. Installation
Apps. update
Apps. Configuration
Array Configuration
...

MULTI-CLOUD ORCHESTRATOR

CTBTO

Region - NN
Region - N2
Region - N1
docker SeisComP
docker SeisComP
docker SeisComP
Shared hardware

Regions

PS-1
Seismic Array
docker SeisComP
docker GeoTool
docker PMCC
Dedicated hardware

PS-2
Seismic Array
docker SeisComP
docker GeoTool
docker PMCC
Dedicated hardware

PS-N1
Seismic Array
Remote access

PS-NN
Seismic Array
Remote access

Reasons to Choose

- Geophysical and geospatial network integration within the cloud
- Data format unification and data conversion automation
- A wide variety of program-mathematical support (with open source and proprietary), ready-for-use data in the cloud
- The ability to use private and hybrid clouds providing users with the required data security level

- Significant reduction of Total Cost of Ownership (TCO) due to high density and flexibility of cloud computing, and also abstraction from technical support and updating of features
- Remote access to inner cloud work spaces for data processing and post-analysis
- Automatic notification expert system, in case appearance of threats

- Easy technology (solution, process, tool) for enlarging the platform with additional program software for data processing, in one single platform
- The opportunity to work with the platform from any device (any device accessibility), with no experience in program software configuration needed
- High level of platform availability - 24/7

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