Strategic Accelerator

Rapid.Space strategic accelerator empowers telecommunication operators, governments or global corporations willing to quickly and safely replicate Rapid.Space's success, and achieve digital independence at competitive cost.

With an initial team of three engineers, Rapid.Space could deploy cloud computing, edge computing and 4G/5G vRAN in less than a year in more than 12 countries. The infrastructure is now operated 24/7 by an autonomous team of 20 engineers. It supports, IaaS, PaaS, big data, carrier-grade 4G/5G radio units, swarming and hard real-time industrial automation.

Key Benefits

- Strategic acceleration
- Digital independence
- Project management
- Team building
- Advanced support
- Know-how transfer
- Resilience
- ITAR-free
- Fully open
- Available globally

Use Case

- 4G/5G vRAN
- Edge cloud
- Big Data
- Industrial automation
- Swarms of drones

Industry

- Telecommunication
- Global corporation
- Government

Build your own resilient infrastructure in three months

Rapid.Space strategic accelerator is a consistent set of enterprise services intended to accelerate the implementation of highly efficient digital infrastructure immune to legal interference or vendor lock-in. It focuses on cloud computing, edge computing or 4G/5G vRAN depending on customer's needs. It takes about three months to bootstrap a resilient infrastructure and 12 to 24 months to transfer all the know-how needed to operate it autonomously.

Project manager

At the core of Rapid.Space strategic accelerator is an experienced project manager dedicated to the customer. His or her role is to define and track the deployment plan that is implemented by a team of engineers hired by the customer with the assistance of Rapid.Space.

Modular OSS/BSS

The technical foundation of Rapid.Space infrastructure is an open source, OSS/BSS platform. It automates the management, lifecyle and end-to-end testing of cloud servers, edge servers, radio units, IoTs, etc. distributed in data centers, cell-sites, factories, drones, etc. It supports use cases such as IaaS, PaaS, SaaS, vRAN, industrial automation, swarms of drones, big data, A.I., etc. Its compact, generic and modular design is the "secret" why Rapid.Space succeeded where organisations with larger teams and huge budget failed.

Customisation

One of the first tasks of the project manager is to identify potential customisations that are needed to adapt to specific customer constraints. This could be, for instance, the use of IPv4 instead of IPv6 addressing for the

backbone, or the absence of Internet access on the infrastructure, or the need to implement new access rules and workflows in the OSS/BSS, or the addition of new categories of hardware. The project manager will assess the possibility to depart from Rapid.Space's standard specification and prepare a plan.

Team building

The project manager will support the customer's effort to select a team of engineers by organising the same kind of process as the one implemented inside Rapid.Space to select and train new staff. This includes programming tests to select staff followed by tutorials, server deployment, mini R&D project, bug fixing, issue tracking, automated testing, OSS/BSS customisation, software release customisation, to train new staff. It takes a week for new staff to learn the basics, a month to learn Rapid.Space devops language and about a year to learn OSS/BSS advanced customisation.

Advanced support

Whenever the customer encounters an issue in the Rapid.Space code base, the project manager will ensure that its resolution is expedited by Rapid.Space R&D team. This may include helping the customer to reproduce the issue, writing tests and helping to identify and communicate with relevant domain experts in Rapid.Space.

Know-how transfer for digital independence

The project manager will organise know-how transfer by involving the customer's engineers in joint R&D projects with Rapid.Space. Customer's engineers will be assigned medium to large R&D tasks and contribute to the open source code base of Rapid.Space through so-called "pull requests". Rapid.Space engineers will review and possibly request changes. The process is repeated until customer's engineers can contribute source code which does not need changes after review. This process takes 12 to 24 months. It is instrumental in establishing a stable, long-term relation with Rapid.Space engineering.

Fully open for global resilience

All original software involved in Rapid.Space strategic accelerator is open source including the operation management panel and operation procedures. Amarisoft vRAN software is licensed source. OCP hardware used for big data or C-RAN infrastructure, Olimex micro-servers, ORS 4G/5G base station and EdgePOD edge server are all open source hardware. This ensures full control of the supply chain and availability in any country for global resilience.

Rapid.Space

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