Cloud Platform for Next-generation E-government

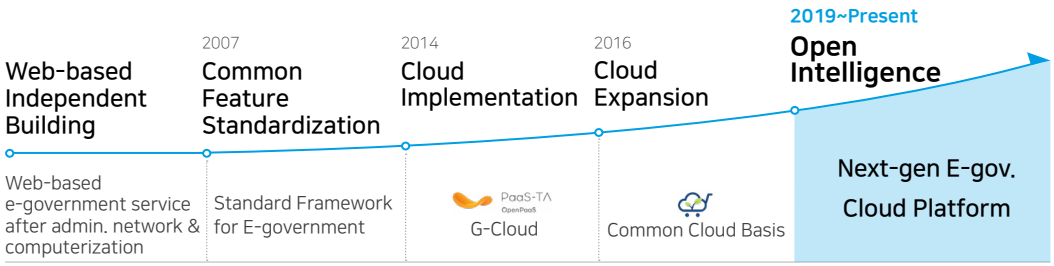
Open cloud platform based on new technologies for intelligence e-government

Challenge

In this rapidly changing era of the fourth industrial revolution with cloud, AI, big data, IoT, and other advanced technologies, a new way of converging these new technologies to provide public services is needed. To this end, an innovative next-generation e-government platform emerged in order to secure public trust based on flexible responses to the demand of the public and reliable operations.

Since developing the eGovernment Standard Framework in 2007, the Ministry of the Interior and Safety of Korea has applied the common features for web-based e-government services to 2,944 public information projects (source: EA) to contribute to preventing overlapping development and increasing reusability. Now, however, with the framework alone, it is challenging to build independent platforms for each ministry to ensure next-generation services through convergence with new technologies and flexible resource sharing.

In this regard, the MOIS decided to develop a cross-government cloud-based platform to swiftly support intelligence e-government using AI and big data while enhancing efficiency of IT resources.



SDS Cloud Service

Cloud Implementation/Migration

Samsung SDS provides quick and reliable cloud implementation/migration services based on hybrid cloud platforms and the methodology accumulated from large-scale migration/operation experience.

- Optimized transition methods : Utilize SDS' own methodology, verified by decade-long experience of cloud migration for Samsung affiliates and other businesses
- Support for new technology application : Offer solutions and expert help on new tech, including AI, big data, blockchain, IoT, etc.
- TCO optimization : Migrate costly equipment/solutions to the cloud and open source

※ Hybrid cloud platforms: Global One View (GOV) for integrated resource management, Intelligent Monitoring Platform (IMP) for intelligent control and Multi-cloud Migration Platform (MMP) for automated migration

Solution

Cloud platform optimized for public services

- Tools and running environments for cloud-based development/operation of apps
- Security architecture that pre-blocks vulnerabilities of open source and containers
- Linked channels for secure connection to external public/private services during service development/operation

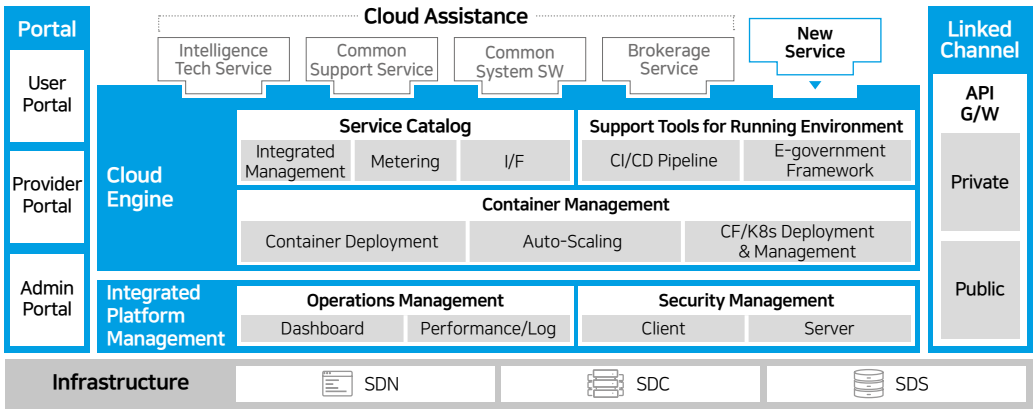
Convenient development/deployment/operation environments

- A web-based portal for cloud platform usage and management convenience
- SW needed for app development/operation, such as intelligence tech and common support services
- Environments for CI/CD-based automated application deployment

Integrated platform operations management

- Safe security management, including authentication/entitlement and DB access control
- Integrated multi-layer monitoring with active response to resource changes

Architecture of Cloud Platform for E-government



Benefit

Dev. Cost Reduction	Higher Productivity	Industry Development
· Development cost of KRW 230.4 billion saved (2022-2026) by eliminating overlaps in platform and applying open source SW	· Common features of new technologies · Standardized technologies · Flexible resource scale-out	· Platform from smaller IT companies · Open source-based environments

FOR MORE INFORMATION

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