



Innobase
SMARTBASE Cloud Services



Innobase

SMART BASE Solution Information

Agenda

1. What is SaaS
2. Benefits of SaaS Application
3. Cloud vs SaaS Differences
4. Features of SaaS
5. Benefits of Dedicated SaaS
6. SMARTBASE Cloud Configuration
7. SMARTBASE Cloud Features
8. Experience the SMARTBASE Cloud

SaaS 란

SaaS(Software as a Service)



> Function

1. Cloud-based software delivery model
2. Cloud providers develop and maintain cloud application software
3. Provides automatic software updates
4. Provide software to customers via the Internet in a Pay-as-you-Go manner



> Effect

1. Reduce costs
2. Fast business solution deployment, expansion, and upgrade
3. Estimate total cost of ownership much more accurately

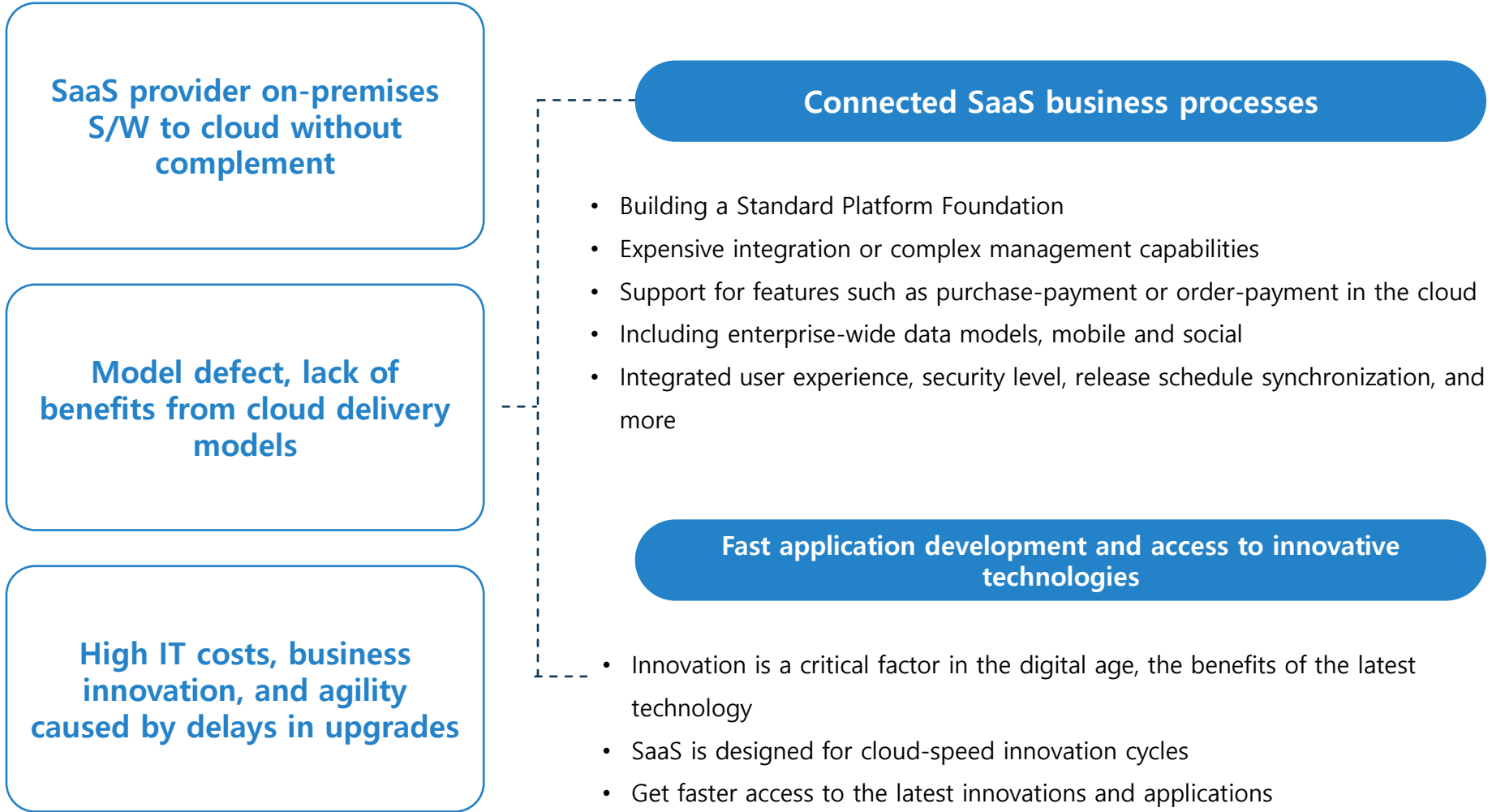
SaaS Advantage

<p>Lower upfront investment costs</p>	<ul style="list-style-type: none"> ◆ Eliminating the need for additional hardware and middleware. ◆ Reduce installation and implementation costs. ◆ Verifying and correcting errors before updating master data. ◆ Reduce investment costs
<p>Persistent cost prediction</p>	<ul style="list-style-type: none"> ◆ Eliminate unpredictable costs of software, hardware management, patches and updates. ◆ Converting capital expenditure to operating expenses. ◆ Minimize risk with software management, cloud security supervision experts.
<p>Agile Deployment</p>	<ul style="list-style-type: none"> ◆ Prepare and run the process in hours, which would normally take months. ◆ Enable and use the latest innovations and updates. ◆ Automated software patches.
<p>On-Demand Scalability</p>	<ul style="list-style-type: none"> ◆ Scalable anytime to meet growing data, transaction needs. ◆ Maintain service levels while minimizing operational failures.

SaaS 기능

Connected cross-business solutions	<ul style="list-style-type: none">◆ Connect and optimize business processes across departments.◆ Get a holistic view of the business as a whole.
Faster, more flexible update path	<ul style="list-style-type: none">◆ Access new features on a quarterly basis.◆ Update to the speed of your business, not the provider's timetable
easy personalization	<ul style="list-style-type: none">◆ Quickly personalize your solution to meet your business needs.◆ Keep valuable customization information with updates.
Data mobility	<ul style="list-style-type: none">◆ Prepare and analyze data quickly to identify trends and patterns.◆ Integrate third-party data for rich analysis.
Built-in Analytical Features	<ul style="list-style-type: none">◆ Real-time data access.◆ Prevent expensive and time-consuming data transmission costs

Dedicated SaaS Advantages




SMARTBASE Cloud Configuration

SMARTBASE SaaS


Leverage industry-standard hardware resources as a cloud computing platform and configure them on the cloud to manage users' access to the resources they need when they need them.

Additionally, SMARTBASE PORTAL, cloud-based SMARTBASE PORTAL helps you comply with security regulations, manage costs, and service resources—increase productivity and reduce costs with Smartbase SaaS!



Cloud Infrastructure

Cloud infrastructure is a term that refers to the hardware and software components that provide cloud computing services. These include servers, software, networking, storage, and virtualization technologies. Cloud infrastructure is deployed to remote data centers and connected over the Internet, providing customers with on-demand computing resources.



How is cloud infrastructure different from cloud computing?

Cloud computing is achieved through cloud infrastructure. With cloud computing, enterprises can access on-demand computing resources such as processing, storage, and networking over the Internet in a pay-as-you-go manner. Cloud computing enables enterprises to reduce costs, minimize the burden on IT teams, and scale and scale much faster than on-site infrastructure by eliminating the need for customers to purchase, install, and manage the hardware and software needed to deliver these computing resources.

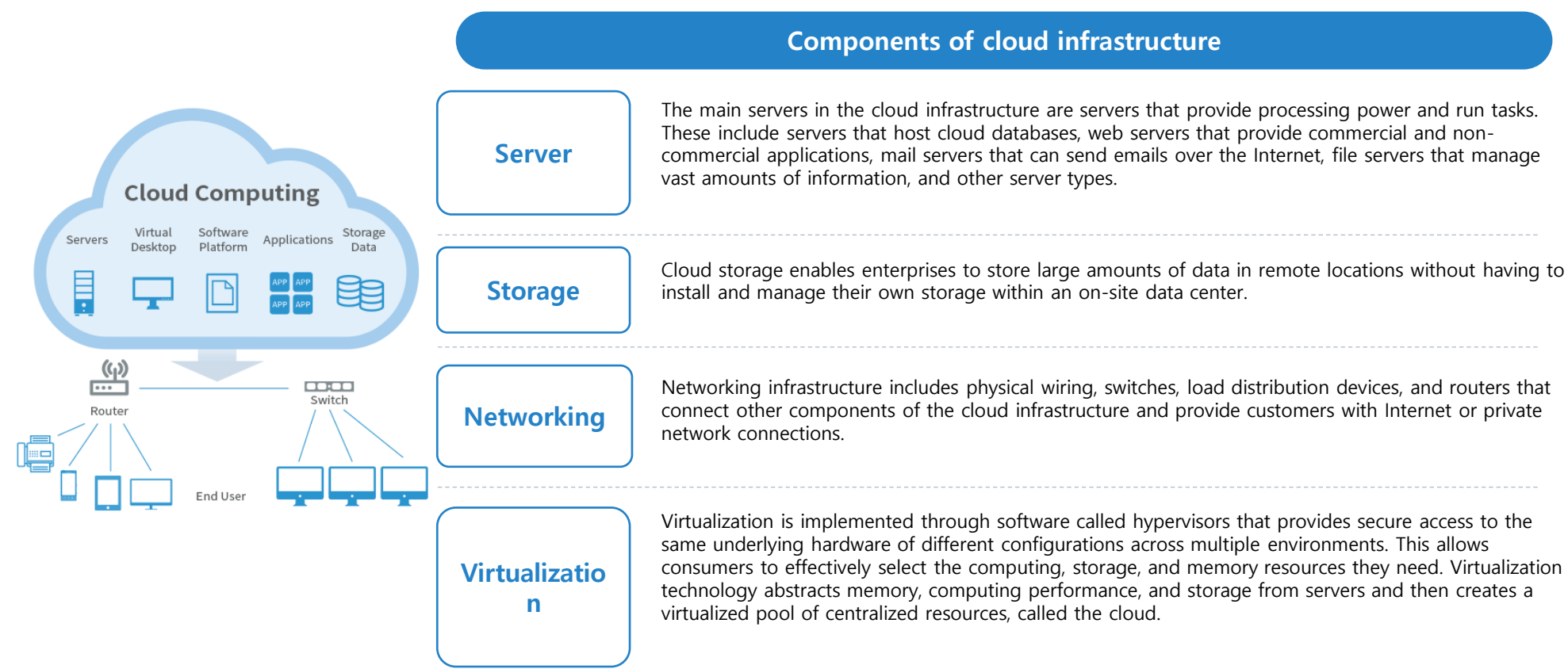


SMARTBASE Cloud Configuration

How does the cloud infrastructure work?

Cloud infrastructure relies on virtualization to abstract computer performance and storage capabilities from real hardware and servers that provide virtualization. This enables users to access and utilize cloud infrastructure from anywhere in the world on their computers. Cloud providers can virtualize and then pool their numerous servers and other hardware to provide customers with a pool of virtualized cloud infrastructure and achieve near-unlimited scalability.

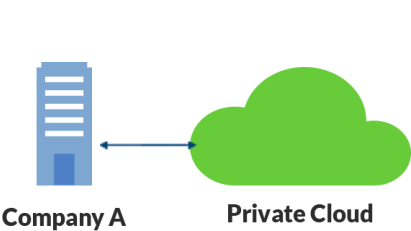
> What are the components of cloud infrastructure?



SMARTBASE Cloud Configuration

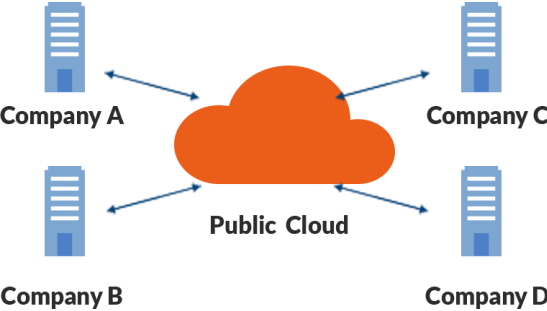
What are the other models for using cloud infrastructure?

There are three basic cloud architectures that combine cloud infrastructure in different ways



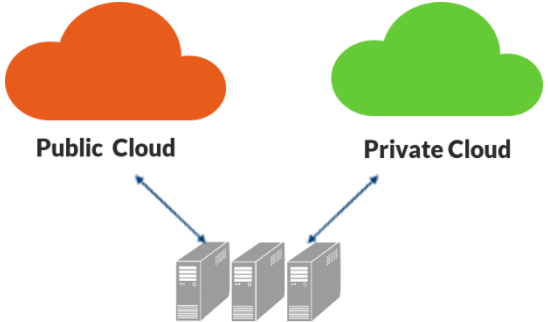
Private Cloud

The main servers in the cloud infrastructure are servers that provide processing power and run tasks. These include servers that host cloud databases, web servers that provide commercial and non-commercial applications, mail servers that can send emails over the Internet, file servers that manage vast amounts of information, and other server types.



Public Cloud

Cloud infrastructure owned and operated by third-party vendors or cloud service providers responsible for infrastructure provisioning, setting up, maintenance, and upgrading. In a public cloud, the environment is divided and can be used by multiple customers or tenants. Virtualization allows a single physical server to provide cloud resources to multiple tenants at a time. Customers access public cloud services as needed and pay only for the amount of computing services they use.



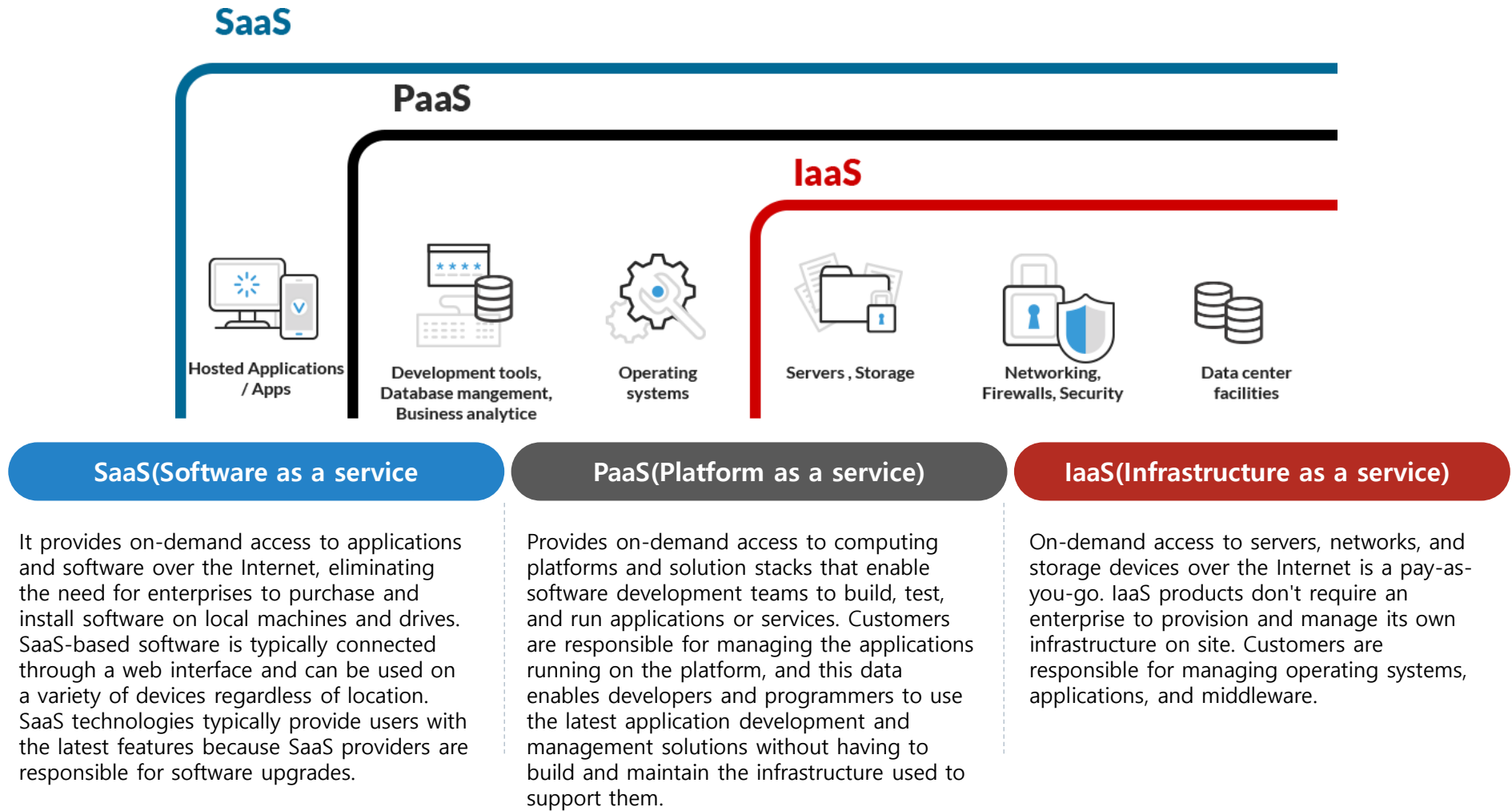
Hybrid Cloud

It consists of a mix of public and private cloud infrastructure. This model allows enterprises to choose the right cloud environment for each workload. For example, you can run workloads that are exploding or surging in demand in a public cloud, while also booking a private cloud for workloads that contain critical data or applications. If an enterprise serves more than one public or private cloud, the result is a multi-cloud environment

SMARTBASE Cloud Configuration

What is the cloud infrastructure delivery model?

Cloud infrastructure typically provides one of three models according to the type of resources required for business.



SMARTBASE Cloud Configuration

> What's the difference between an on-premises infrastructure and a cloud infrastructure?

Cloud infrastructure offers many advantages over in-house managed infrastructure.

Cost efficiency

Businesses can rely on cloud infrastructure to reduce the cost of capital typically involved in purchasing and managing the hardware and software needed to deliver computing resources on-premise. Instead of over-provisioning infrastructure to accommodate sudden surges in demand, businesses can use cloud infrastructure as a pay-as-you-go model, reducing costs and leveraging IT resources more efficiently.

stability

The scalability and redundancy offered by cloud services provide far greater reliability than the on-premises infrastructure can provide.

Security

Cloud infrastructure providers leverage outstanding expertise and industry-leading security solutions to deliver cutting-edge cloud security to their customers. In contrast, IT teams may lack the resources, personnel, and skills needed to properly protect data and other assets within an on-premises data center

quickness

With cloud infrastructure, businesses can use self-service capabilities to quickly provision resources to accelerate innovation and accelerate market transmission.

> What are the drawbacks of relying on cloud infrastructure?

Decreased visibility and control

In general, IT teams have less visibility into the physical hardware on which their workloads run when using cloud infrastructure.

Shared Security

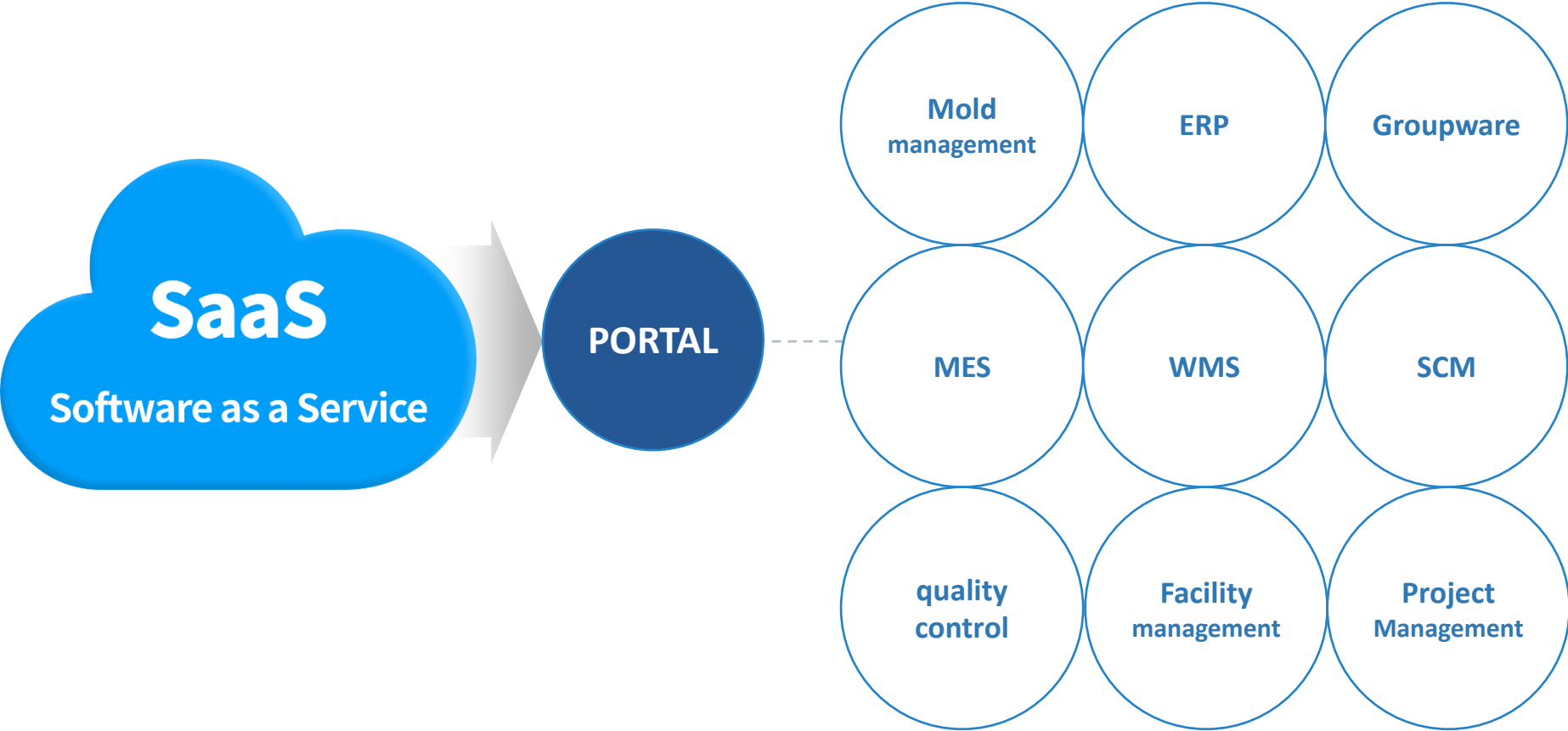
Cloud service providers invest heavily in security, but typically operate under a shared responsibility model that requires proper system setup, access control, and monitoring systems to protect workloads and data. Misunderstanding this responsibility sharing by IT teams can lead to a serious security gap.

Connectivity issues

Because cloud infrastructure is connected over an Internet connection, disruptions or Internet degradation can degrade the performance of processes that rely on cloud infrastructure.

SMARTBASE SaaS Products and Features

Cloud-based SMARTBASE PORTAL helps you comply with security regulations, manage costs, and service resources—increase productivity and reduce costs with Smartbase SaaS!



SMARTBASE SaaS Products and Features

ERP

(Enterprise Resource Planning)

Enterprise-wide resource management can be integrated, including all company information, supply chain management, and customer order information, and cost waste or production delay factors can be eliminated in advance, such as allowing the production part to inquire and change the production schedule by inquiring about marketing in real time.

MES

(Manufacturing Execution System)

Establish an operating system that can grasp and efficiently manage on-site operation information in real time by collecting/inputting production performance data through Bar Code Label and on-site terminals or facility interfaces instead of handwritten workdays.

WMS

(Manufacturing Execution System)

Establish an operating system that can grasp and efficiently manage on-site operation information in real time by collecting/inputting production performance data through Bar Code Label and on-site terminals or facility interfaces instead of handwritten workdays.

QMS

(Quality Management System)

The quality management system is consistent Quality standards/achievement levels for quality results
Achievement, manage goal management capabilities
There is, inspection by work unit, test, etc
Connect quality results to before and after processes
Can be assigned to track product history
Let's do that.

PMS

(Project Management System)

It is a solution that improves the productivity and efficiency of work by systematically managing the company's strategy promotion, management innovation, and operation management by inquiring about information about various projects in the company's operation, progress, manpower allocation, and cost analysis at a glance.

OFFICE

It is a solution that improves productivity and efficiency of work by systematically managing the company's strategy promotion, management innovation, and operation management by inquiring about information about various projects, progress, manpower allocation, and cost analysis at a glance

SMARTBASE SaaS Product Price Table

How to Introduce SMARTBASE

Sortation	Construction type	SaaS type
Solution Cost	ERP/MES(POP) , QMS, WMS, PMS Facilities management, mold management, and super-high-end product management groupware, SMART HACCP (Calculation of expenses after consultation)	See Solution Rate Table Estimating the operating points of the installation cost (POP) ¥1,000,000 ~
	Separate calculation based on installation cost (POP) operation points	Estimating the operating points of the installation cost (POP) ¥1,000,000 ~
Custmising	Support is available (separate cost calculation)	Not supported
Infrastructure Fees	Self-infrastructure: FREE Cloud infrastructure (see pricing plan, discount on annual payments)	Cloud infrastructure (see pricing plan, discount on annual payments)
Number of users	No restrictions (some restrictions)	No restrictions (some restrictions)
Capacity (Storage)	Server Capacity	At least 10GB
Facility Interface	Support available (separate cost calculation)	Support available (separate cost calculation)
IOT equipment (Kiosk, industrial PDA) Barcode printers, scanners, wireless APs, etc)	Check operation points (Separate cost calculation)	Check operation points (Separate cost calculation)

SMARTBASE SaaS Product Price Table

Solution Rate Table

Monthly cost (in units, won)

Module	Number of users	Lite	Standard	Professional
MES(POP)	No restrictions	350,000	600,000	1,200,000
QMS	No restrictions	250,000	400,000	800,000
WMS	No restrictions	250,000	400,000	800,000
Inspection Management	No restrictions	200,000	300,000	500,000
Facility management	No restrictions	200,000	300,000	500,000
Mold management	No restrictions	200,000	300,000	500,000
Personnel management	Per user (minimum 10 users)	15,000	30,000	50,000
Accounting	Per user (minimum 10 users)	15,000	30,000	50,000
Groupware	Per user (minimum 10 users)	5,000	7,000	10,000
Project Management	Per user (minimum 10 users)	5,000	7,000	10,000

- See SMARTBASE Software as a Service (SaaS) Reference Price Table for details
- See additional information for detailed SaaS-grade functionality

Terms and Conditions	Solution Bundle Terms and Conditions (Smartbase Package)
	- Monthly billing contract / basic one-year contract unit (reflect discount policy for contracts exceeding one year)
	- Purchasing conditions of at least 10 users
	- Claim additional cost of quantity as the difference between the increased quantity amount when increasing the quantity
	- Bundled products continue to support patching and free maintenance on Innobase
	- In case of a separate construction contract other than a bundle: Maintenance support is provided at an annual cost of 12% of the contract amount when requesting maintenance after one year

SMARTBASE SaaS Product Price Table

Cloud pricing plan

Module	Lite	Standard	Premium
User Fees/Month	₩150,000	₩250,000	₩350,000
Traffic	month 100GB / day 15GB	month 500GB / day 30GB	month 1,000GB / day 100GB
Storage	10GB	50GB	100GB
upgrade	Add KRW 3,000 per 1GB of traffic per month Add 10,000 won per 1GB of storage per month		
Additional services	Backup Services – Anti-ransomware, 1 week storage cycle, additional KRW 60,000 per 150GB upgrade		
	Single Fire Wall Juniper 5gt, L2 Switch, Server Quarantine - Symantec, 2U Rack		
	Free setting fee		

SMARTBASE SaaS Product Price Table

SMARTBASE Software as a Service (SaaS) Reference Price Table

Smartbase Package Solution	Service price						Initial Construction Cost				initial cost of the year
	Number of users	Unit price	SW monthly fee	1.Cloud costs	Total Monthly Fees	Year's fee	②Infra Setup	③Package Setup	④Customizing	subtotal	Sum
MES	10	60,000	600,000	250,000	850,000	10,200,000	1,000,000	2,000,000	4,000,000	7,000,000	17,200,000
	50	40,000	2,000,000	250,000	2,250,000	27,000,000	5,000,000	2,000,000	4,000,000	11,000,000	38,000,000
	100	30,000	3,000,000	250,000	3,250,000	39,000,000	10,000,000	2,000,000	4,000,000	16,000,000	55,000,000
	200	20,000	4,000,000	250,000	4,250,000	51,000,000	20,000,000	2,000,000	4,000,000	26,000,000	77,000,000
WMS	10	40,000	400,000	250,000	650,000	7,800,000	1,000,000	2,000,000	4,000,000	7,000,000	14,800,000
QMS	n/a		400,000	250,000	650,000	7,800,000	1,000,000	2,000,000	4,000,000	7,000,000	14,800,000
Inspection management	n/a		300,000	250,000	550,000	6,600,000	1,000,000	2,000,000	4,000,000	7,000,000	13,600,000
Facility management	n/a		300,000	250,000	550,000	6,600,000	1,000,000	2,000,000	4,000,000	7,000,000	13,600,000
Mold management	n/a		300,000	250,000	550,000	6,600,000	1,000,000	2,000,000	4,000,000	7,000,000	13,600,000
HR/attention/salary	10	30,000	300,000	250,000	550,000	6,600,000	1,000,000	2,000,000	4,000,000	7,000,000	13,600,000
Accounting	10	30,000	300,000	250,000	550,000	6,600,000	1,000,000	2,000,000	4,000,000	7,000,000	13,600,000
document management	10	3,000	30,000	250,000	280,000	3,360,000	1,000,000	1,000,000	1,000,000	3,000,000	6,360,000
Groupware	10	7,000	70,000	250,000	320,000	3,840,000	1,000,000	1,000,000	1,000,000	3,000,000	6,840,000
	50	6,000	300,000	250,000	550,000	6,600,000	1,000,000	1,000,000	1,000,000	3,000,000	9,600,000
	100	5,000	500,000	250,000	750,000	9,000,000	1,000,000	1,000,000	1,000,000	3,000,000	12,000,000
	200	4,000	800,000	250,000	1,050,000	12,600,000	1,000,000	1,000,000	1,000,000	3,000,000	15,600,000
Project Management	10	7,000	70,000	250,000	320,000	3,840,000	1,000,000	1,000,000	1,000,000	3,000,000	6,840,000
	50	6,000	300,000	250,000	550,000	6,600,000	1,000,000	1,000,000	1,000,000	3,000,000	9,600,000
	100	5,000	500,000	250,000	750,000	9,000,000	1,000,000	1,000,000	1,000,000	3,000,000	12,000,000
	200	4,000	800,000	250,000	1,050,000	12,600,000	1,000,000	1,000,000	1,000,000	3,000,000	15,600,000

SMARTBASE SaaS Product Price Table

Details by SaaS grade

Smartbase Package Solution	Function 1	Function 2	Function 3	Function 4	Function 5	Function 6	Function 7	Function 8	Function 9	Function 10
MES	Basic information management	BOM	Business management	Production management	Purchase Management	Material management	Product management	Management information	on-site management	Barcode(PDA)
WMS	Basic information management	BOM	Business management		Purchase Management	Material management	Product management	Management information	on-site management	Barcode(PDA)
QMS	Basic information management	Inspection standards management	Quality document management	Drawing Management	Warehousing management	process inspection	Shipment inspection	Claim Management	Corrective action management	Quality Analysis
Inspection management	Basic information management	Inspection standards management	Inspection plan management	Management of inspection results	Quality Analysis	Monitoring				
Facility management	Basic information management	Equipment information management	Facility maintenance management	Facility life management	Facility KPI management	Facility Monitoring	Calculate costs separately based on scope of facility interface			
Mold management	Basic information management	Mold information management	Mold maintenance management	Mold Life Management	Mold KPI management	Mold monitoring	Calculate the cost separately according to the range of the mold interface			
HR/attention/salary	Basic information management	Personal information management	Personnel issuance management	attendance management	Pay management	Human Resources Development Management				
Accounting	Basic information management	Slip management	book management	Import management	Expenditure management	Financial management	Budget management	Fixed asset management	Finishing management	
document management	Basic information management	Category management	Document management							
document management portal	Basic information management	announcement	notice board	electronic payment	Mail	Schedule Management	document management	Community		
PMS	Basic information management	Project information	Schedule management	Resource Management	quality control	Issue Management	Cost management	Business management	output management	Status Management

Experience the SMARTBASE Cloud

See the Inovase Home Page SMARTBASE Cloud Link
<http://www.innobase.net/saas.php>



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