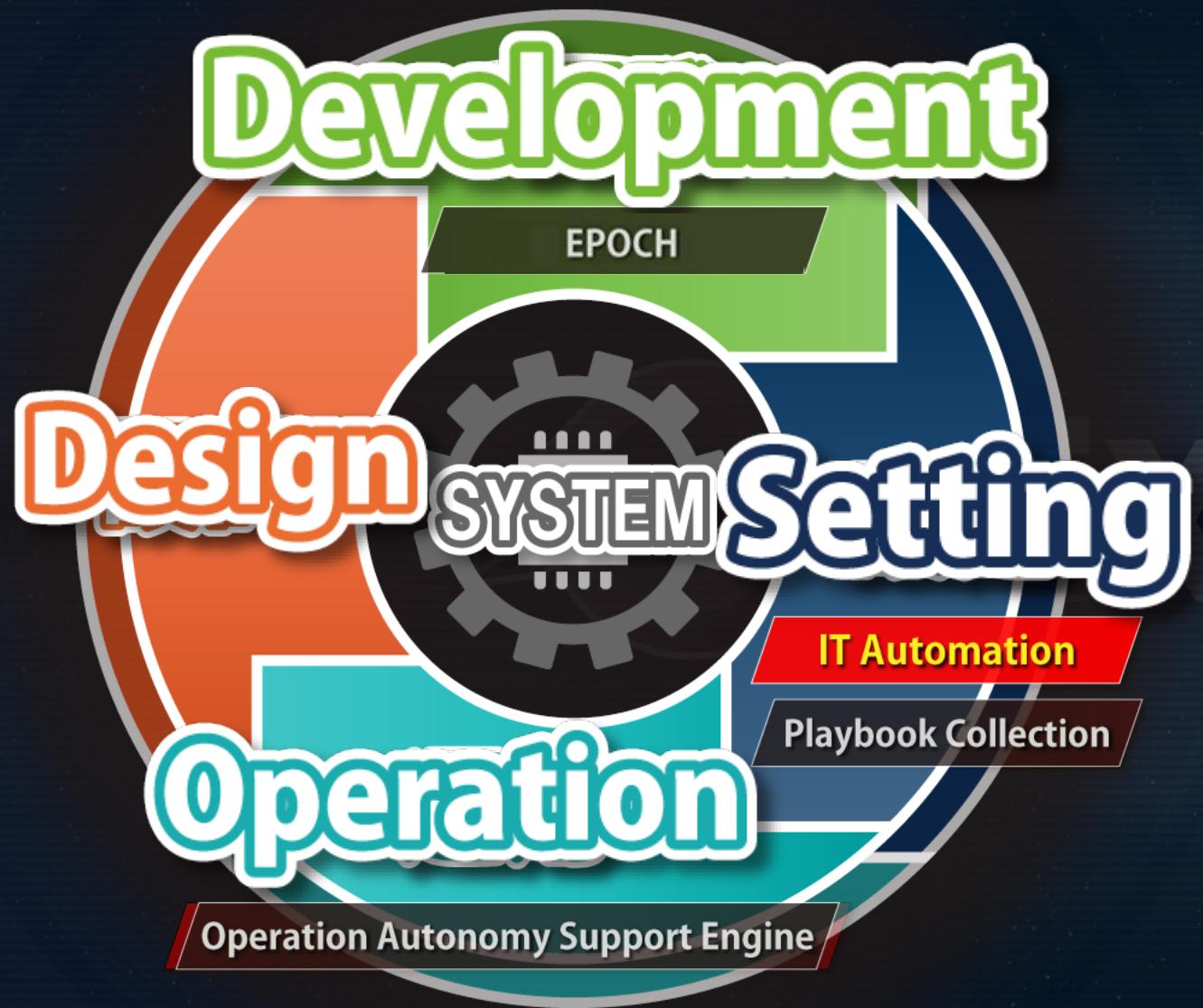




Introduction

What is the Exastro Suite?



Exastro is an open source software suite

設計
design

開発
development

設定
setting

運用
operation

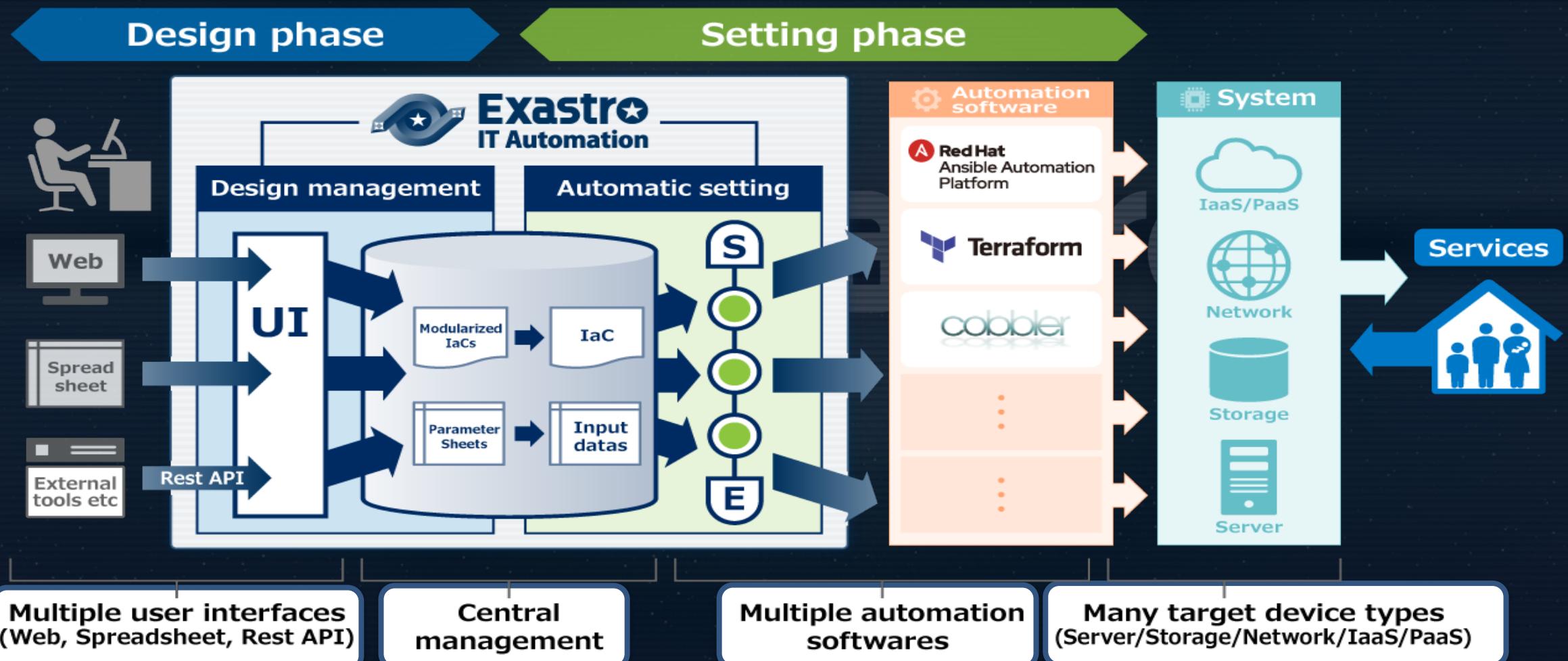
を

created to digitize data, automate tasks and
help saving labor and costs
in the System life cycle
(design, development, setting and operation)

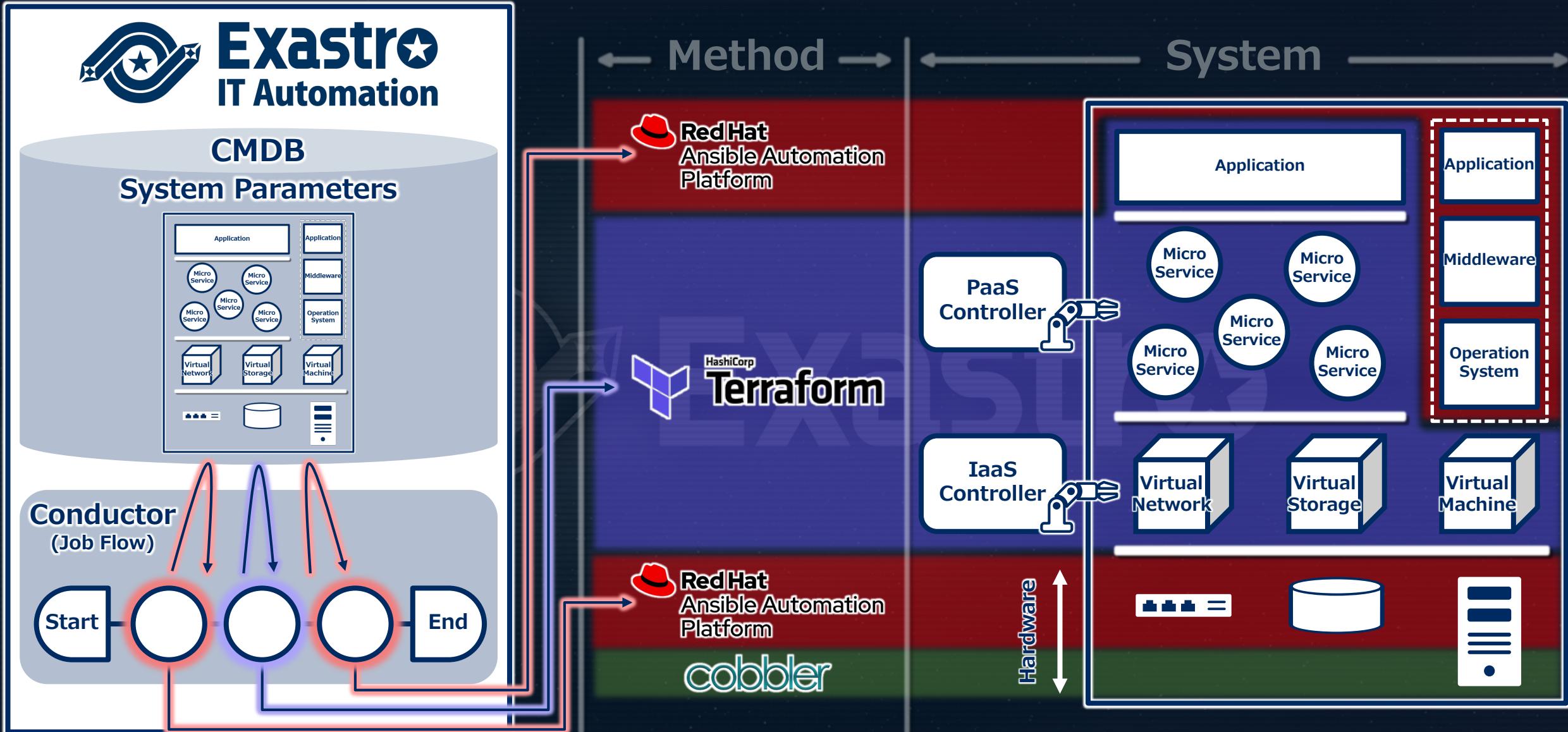
Roadmap of the Automation and Autonomy that Exastro Suite is aiming for



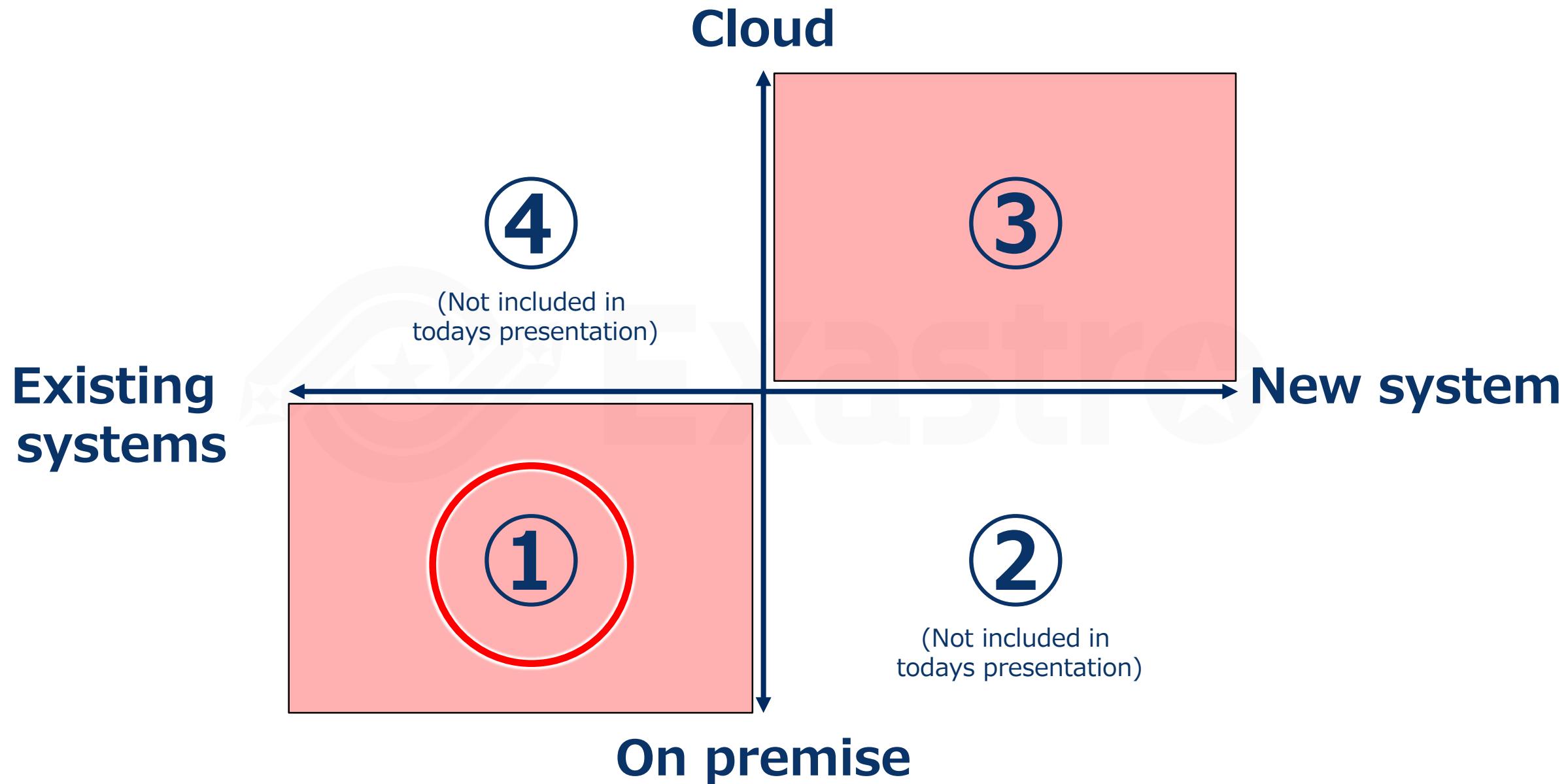
Exastro IT Automation is a framework that manages system construction components (IaC and Parameters)



System stacks and Automation software



About this presentation

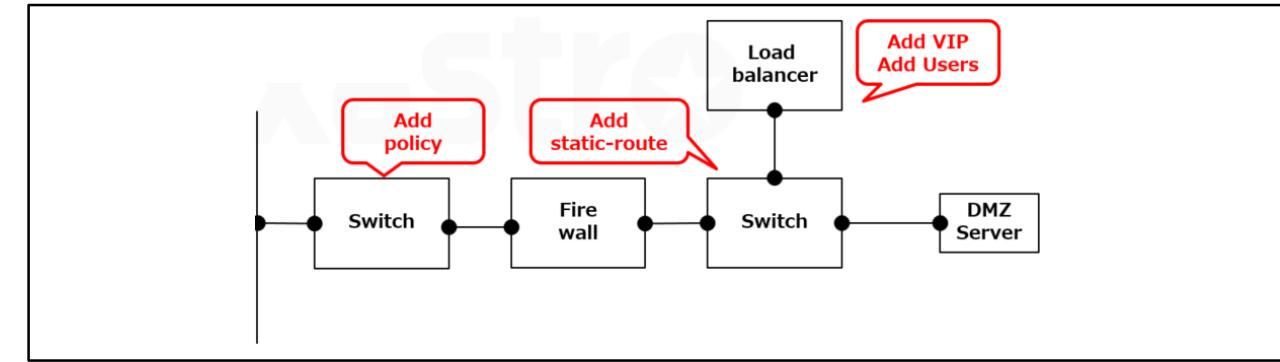


【Area ①】 Effects on Automated On-Premise systems

Overview

- Adds new NW devices for carrier-based systems
- Total of 30 NW devices
- Automated addition of virtual IPs
- The design information is configuration managed

 POINT Makes it easy to implement Exastro ITA!



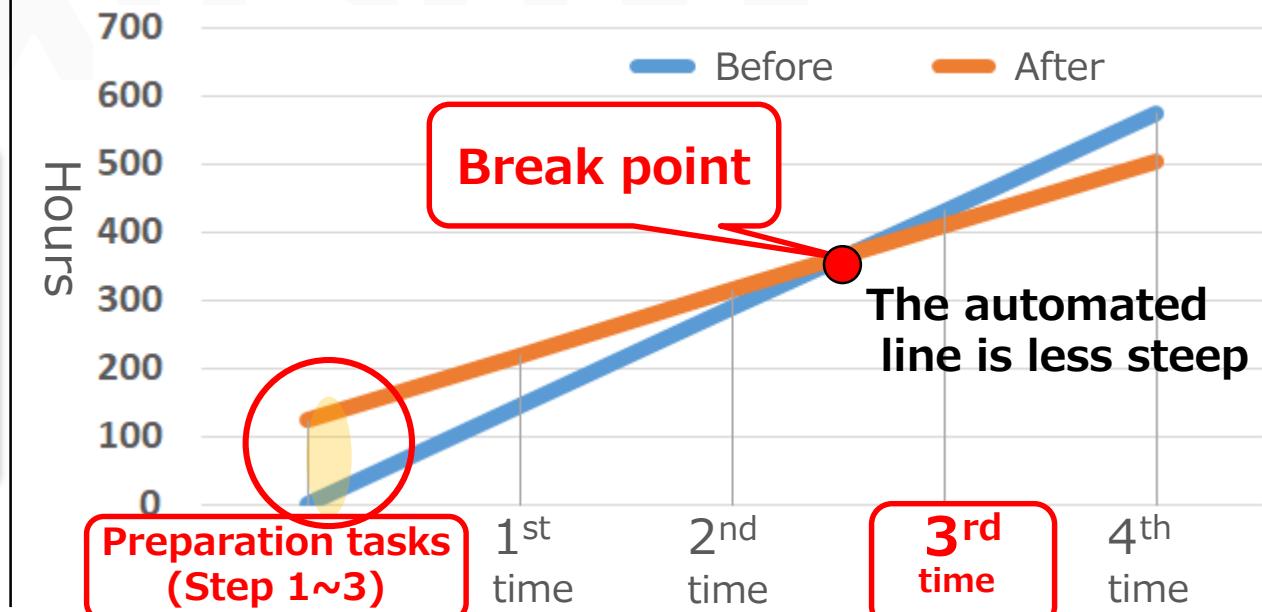
Changes to the workload(hours)

Areas where Exastro IT Automation is applied

	Requirement definition	Design	Production	Valuation	Release	Overall
Before	20.1	33.6	19.7	12	58.4	143.8
After	28.7	40.9	12.1	4	9.5	95.2
Changes	↑43%	↑21%	↓39%	↓67%	↓84%	↓34%

The cost of the whole operation is reduced by 34%

Return on investment



Design, Preparation and Execution can be automated in 3 steps



Solution

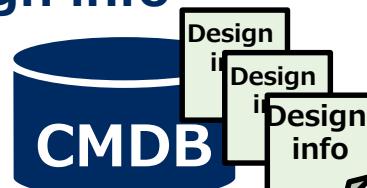


Preparation



Execution

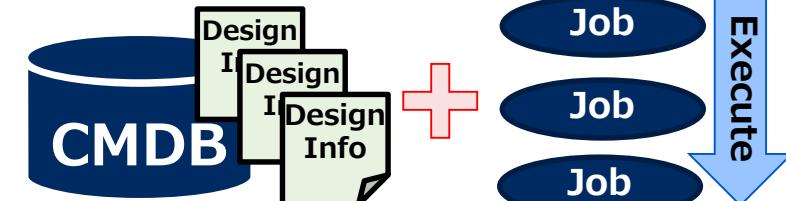
Step 1
Centrally manage
Design info



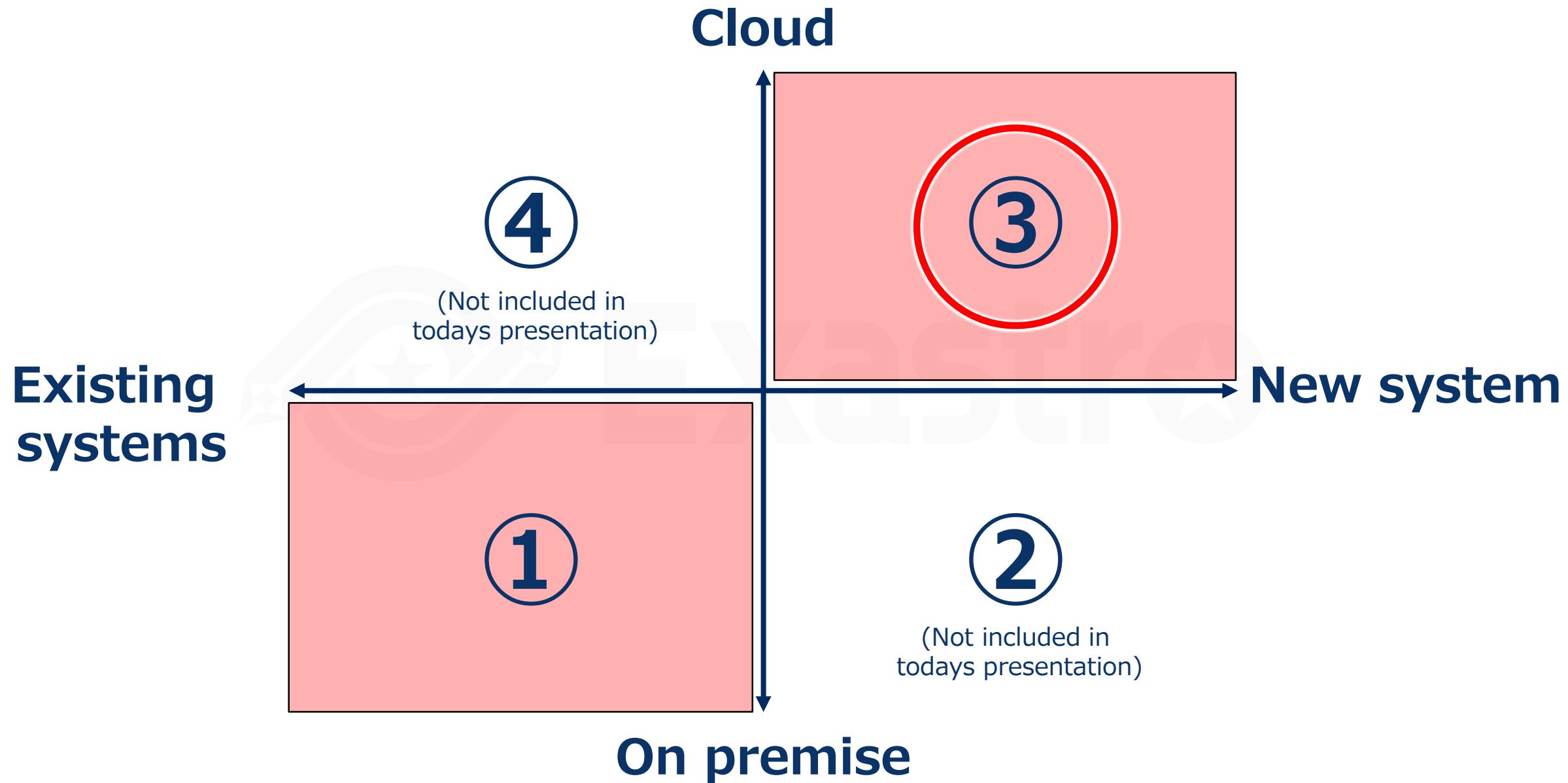
Step 2
Automate jobs



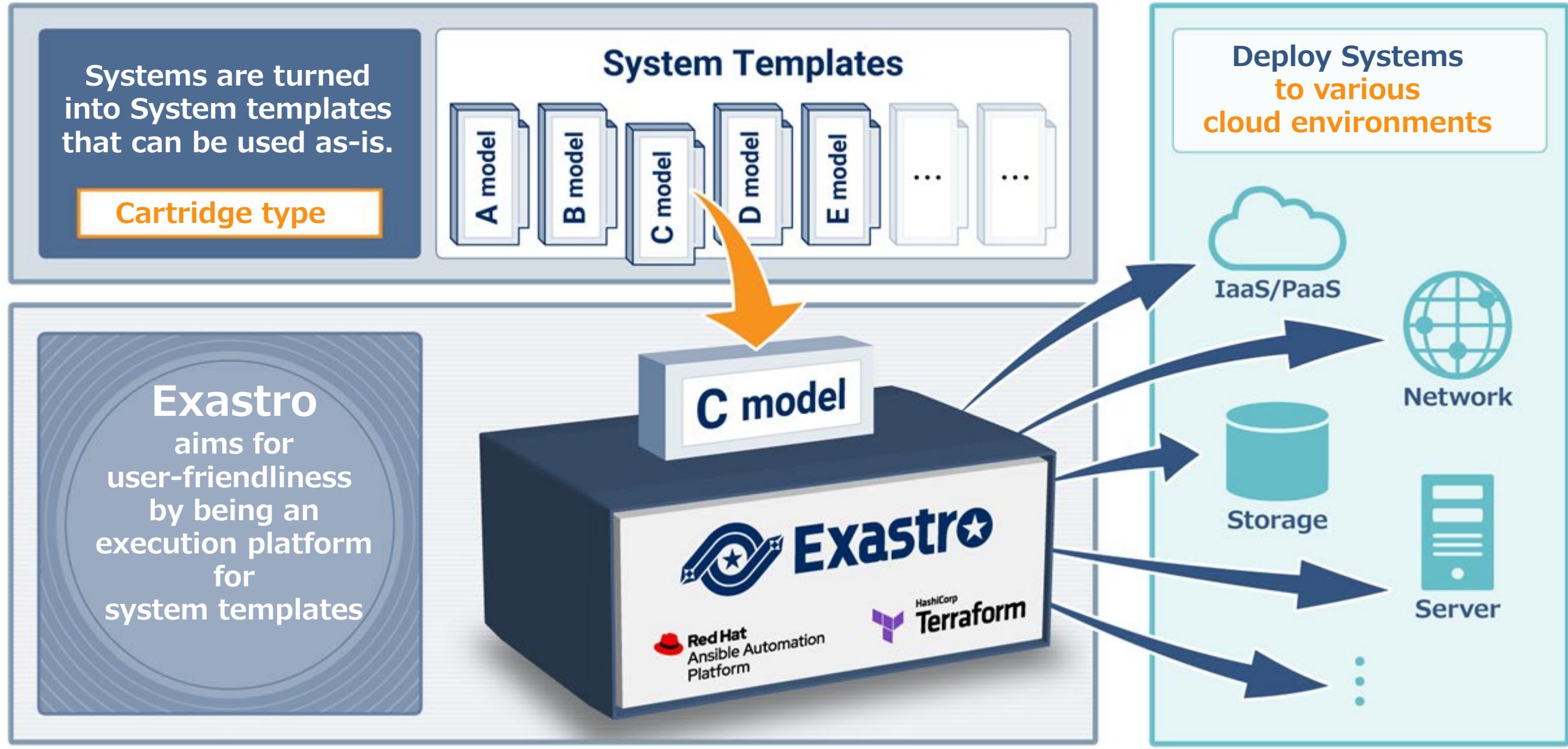
Step 3
Link centrally management
and automated execution.



Reducing costs of new cloud systems

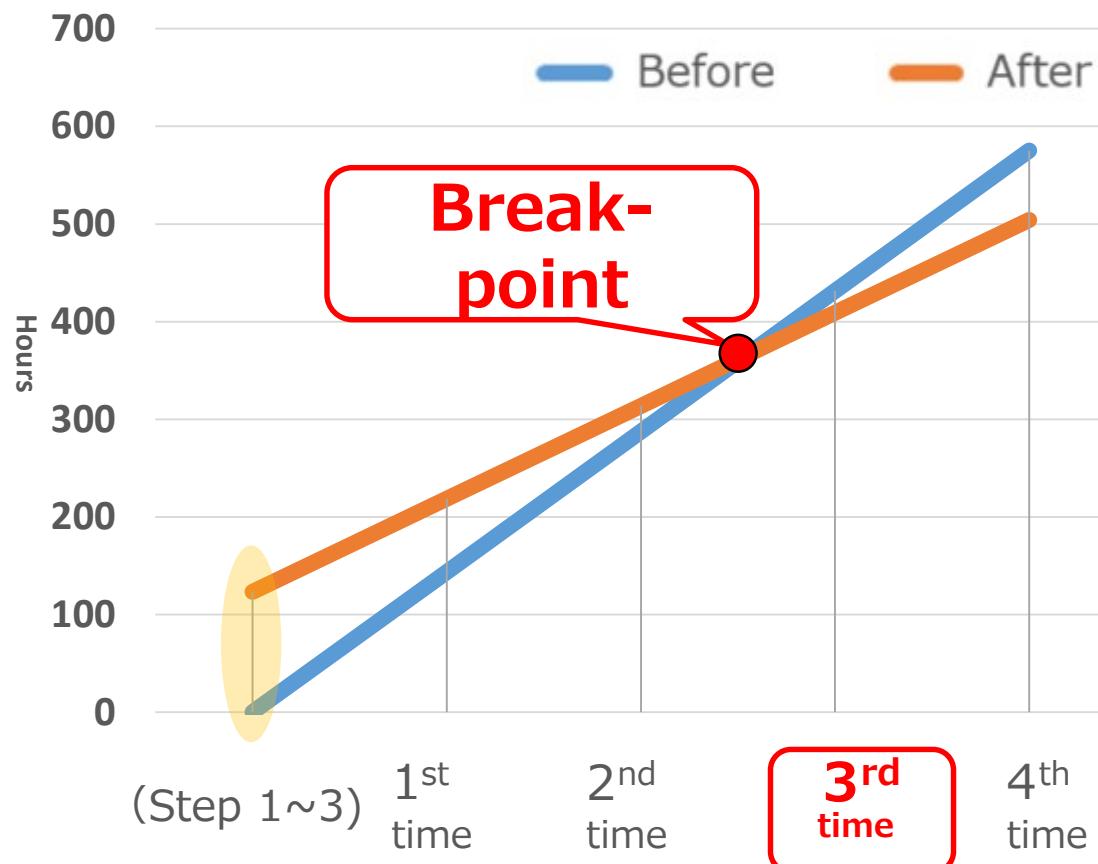


【Area③】 Reducing costs of new cloud systems

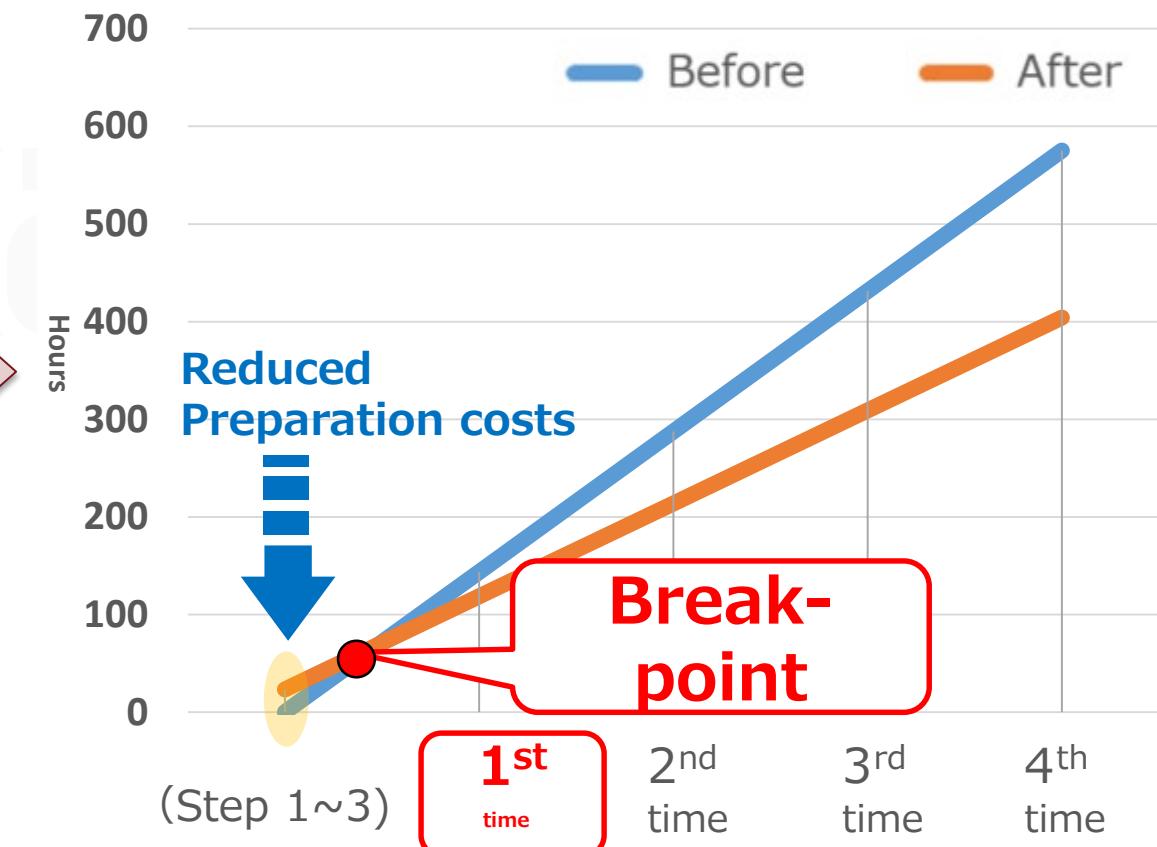


Use cloud resources to reduce preparation costs and increase the gross profit

Without system templates

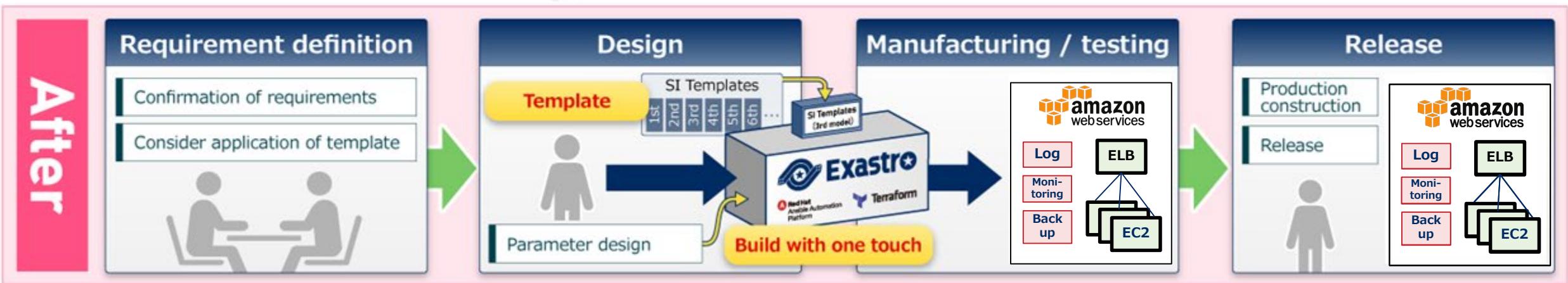
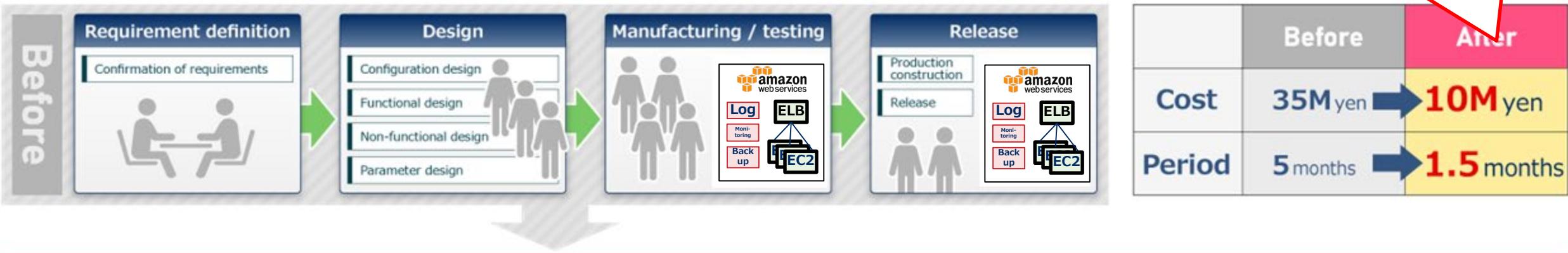


With system templates



Results of using System Template for AWS Model

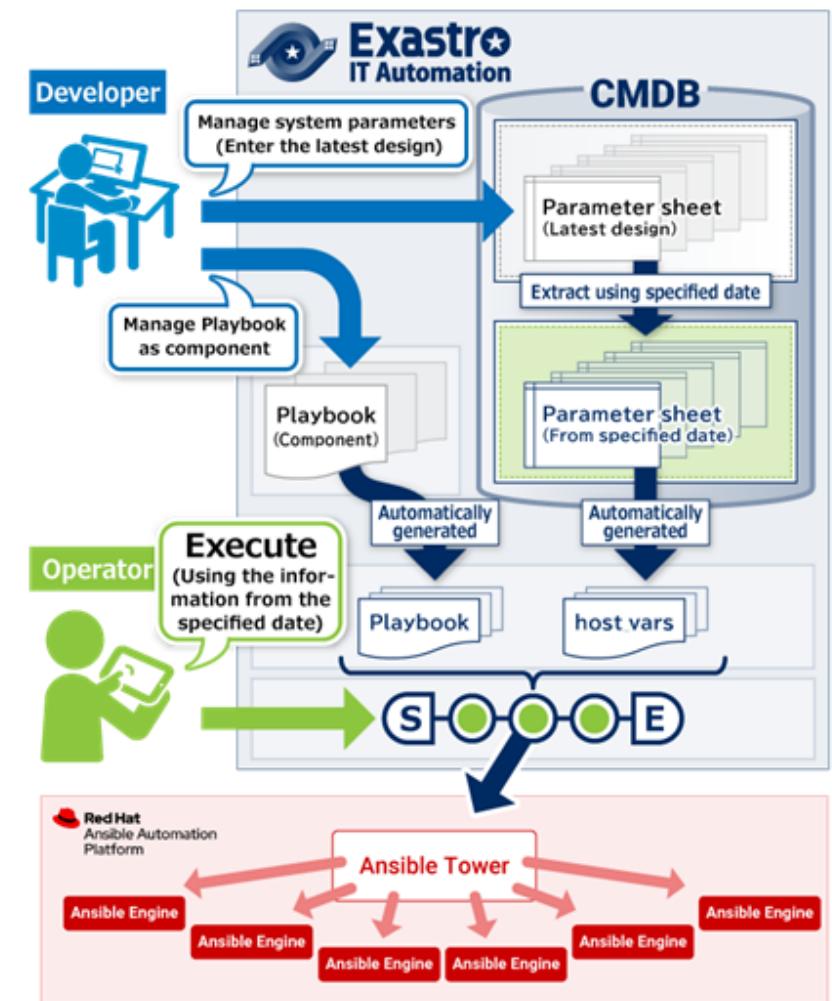
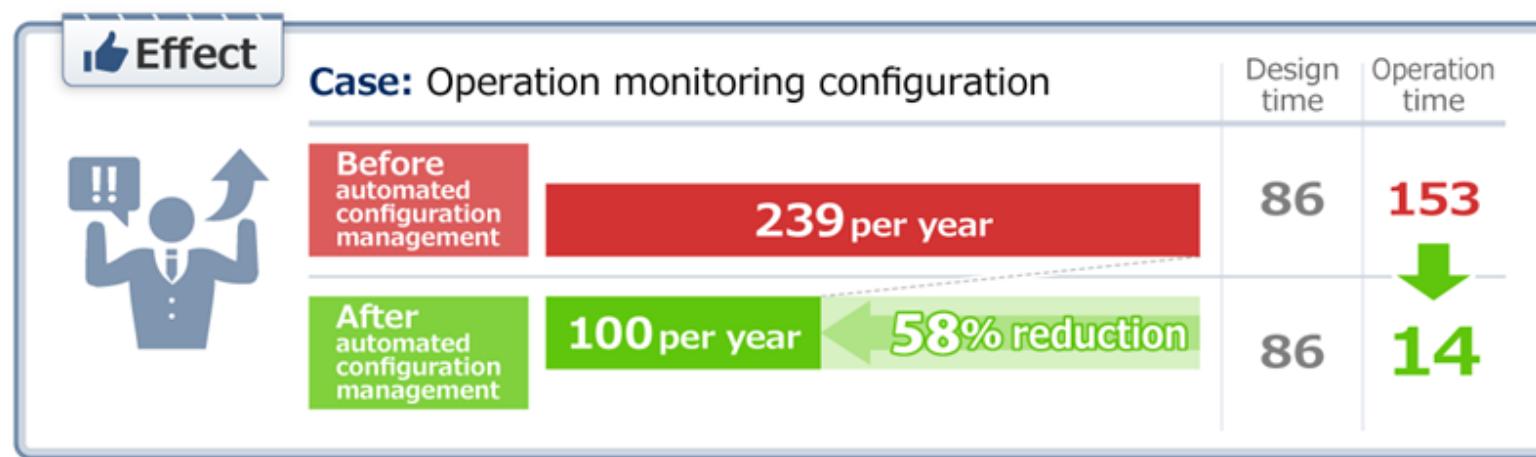
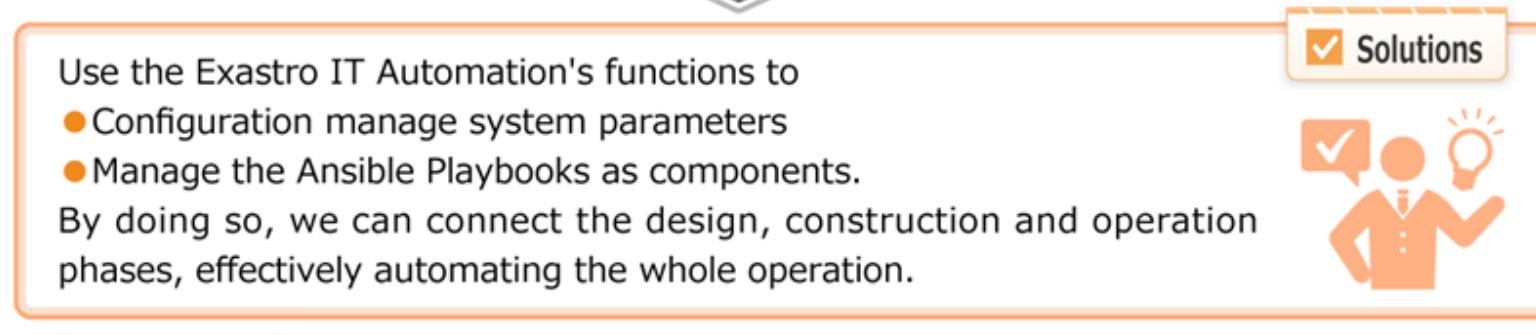
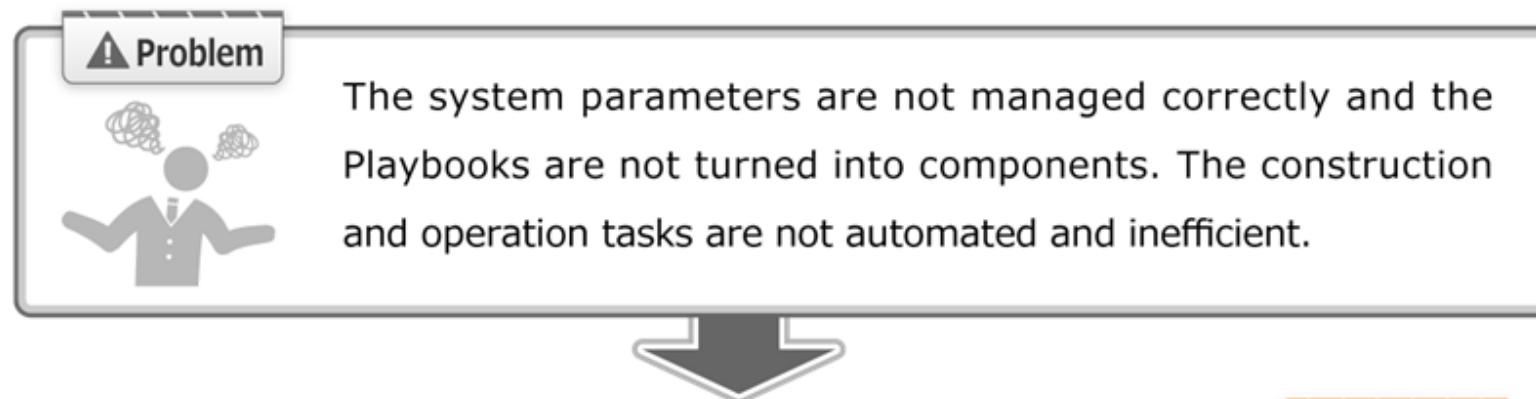
The cost and time was reduced by 70%



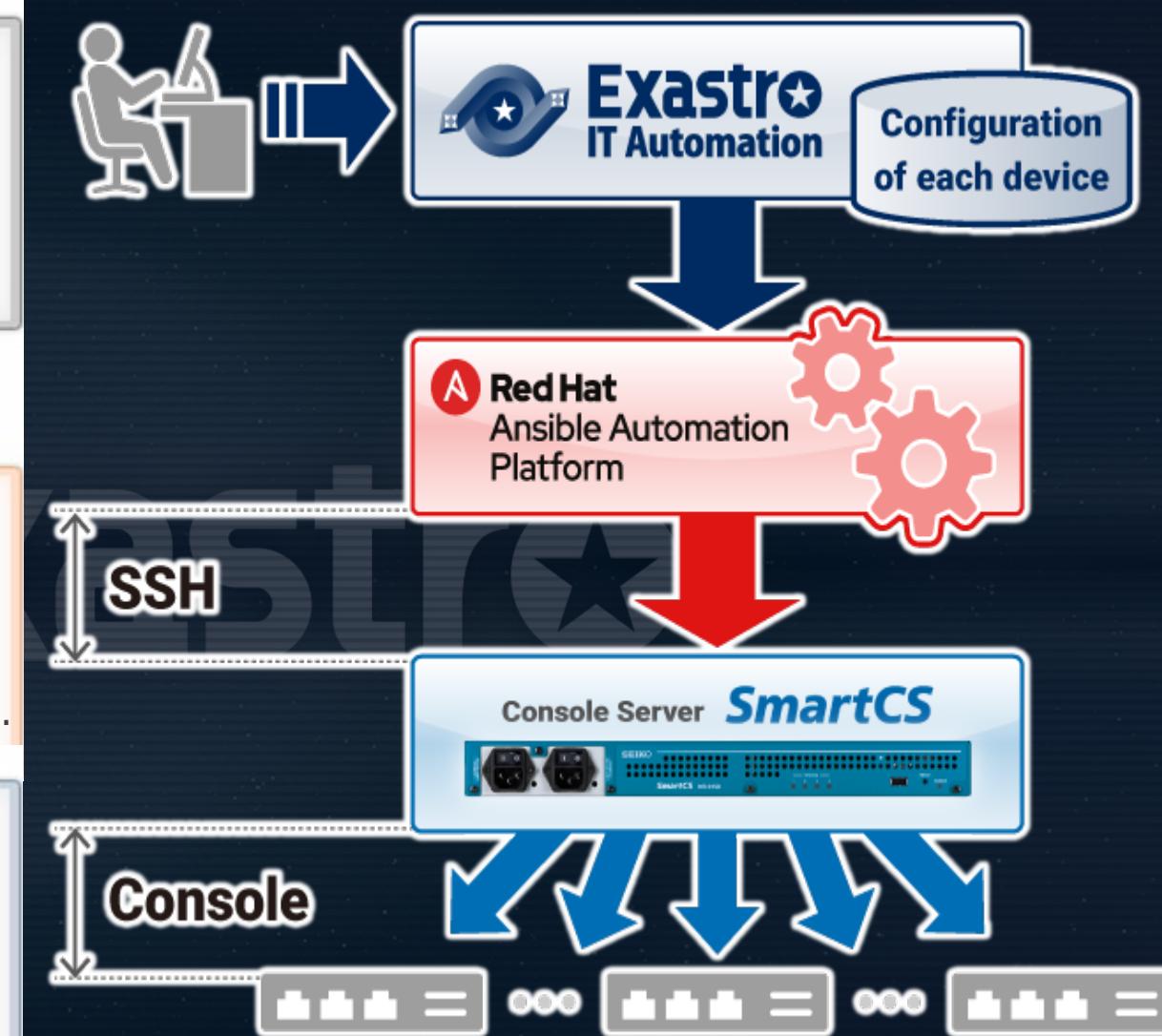
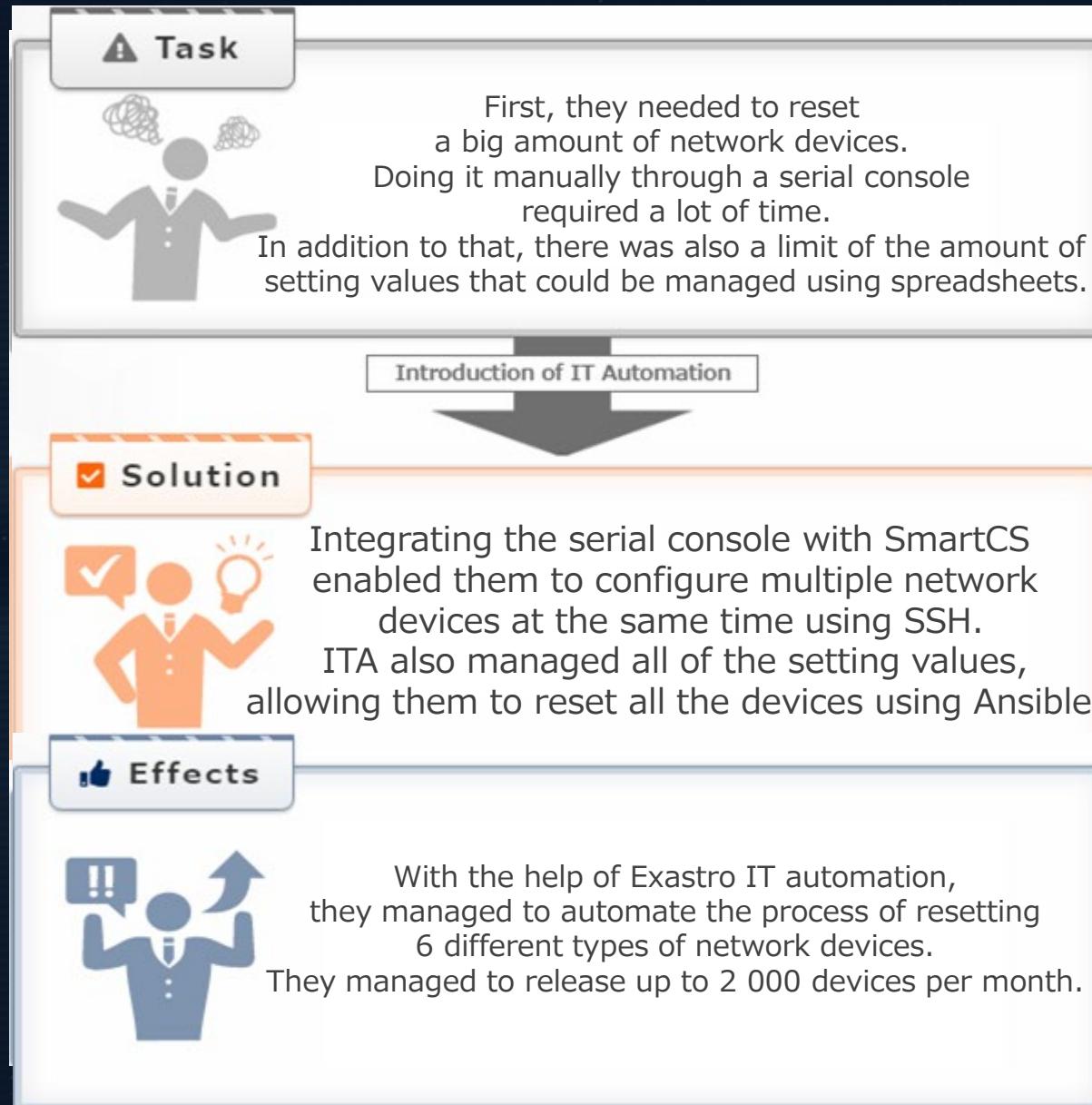
Cases



[Case 1] Streamlining various operation settings for a large-scale system

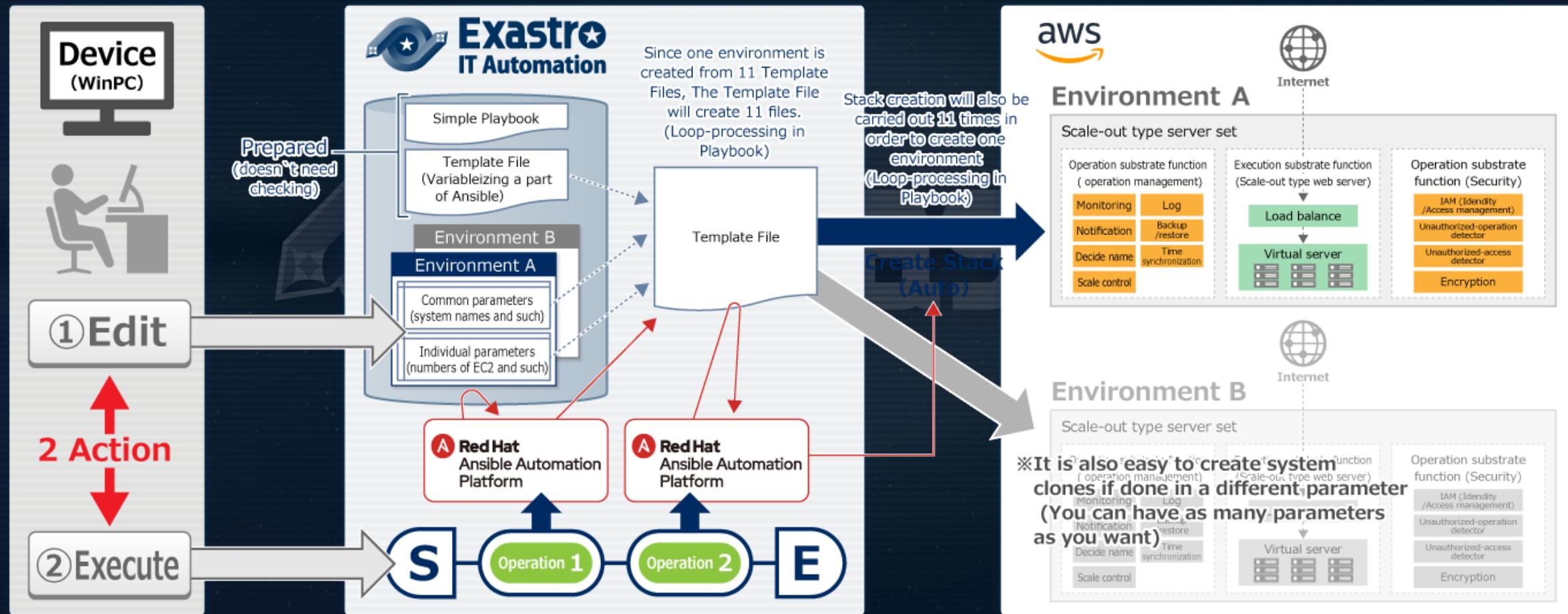


【Case 2】 Automatically kitting 30 000 devices for a large-scale event



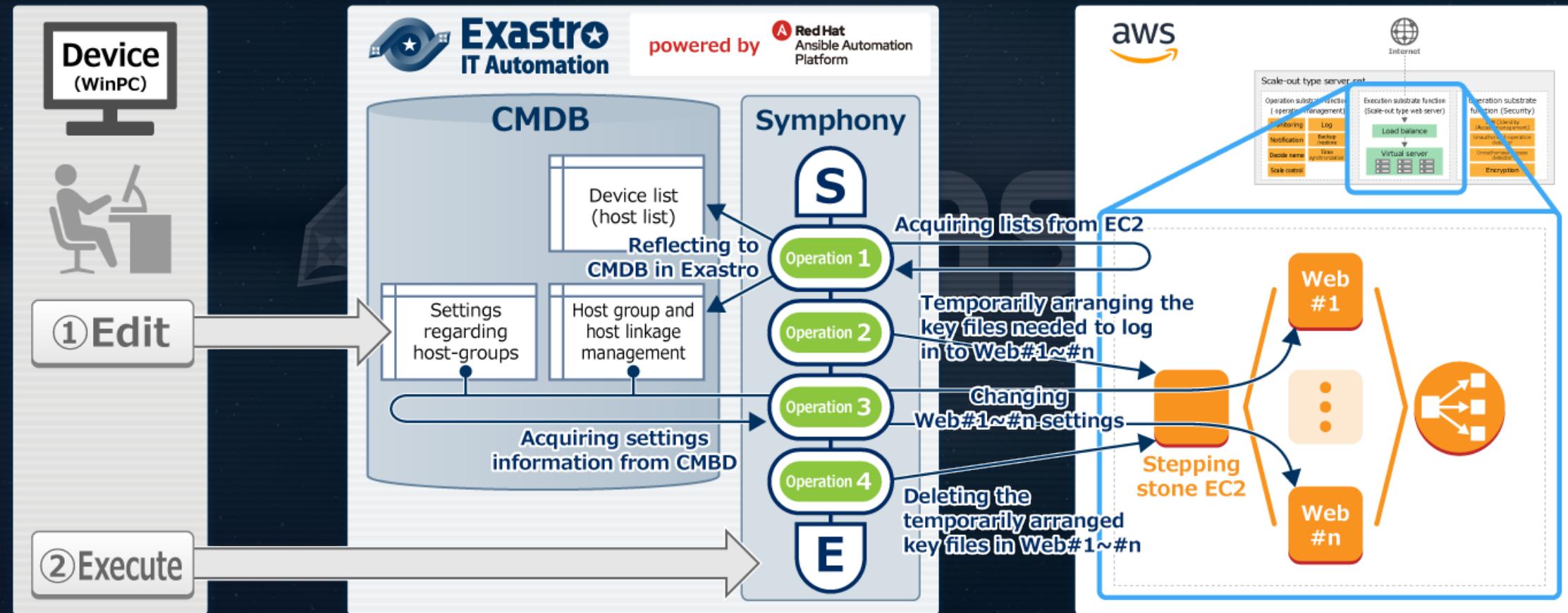
【Case 3】 Using Template files to regulate AWS systems. (1/2)

Exastro IT Automation managed a “CloudFormation template” and provided a mechanism that delivers a well-governed AWS environment to each department.



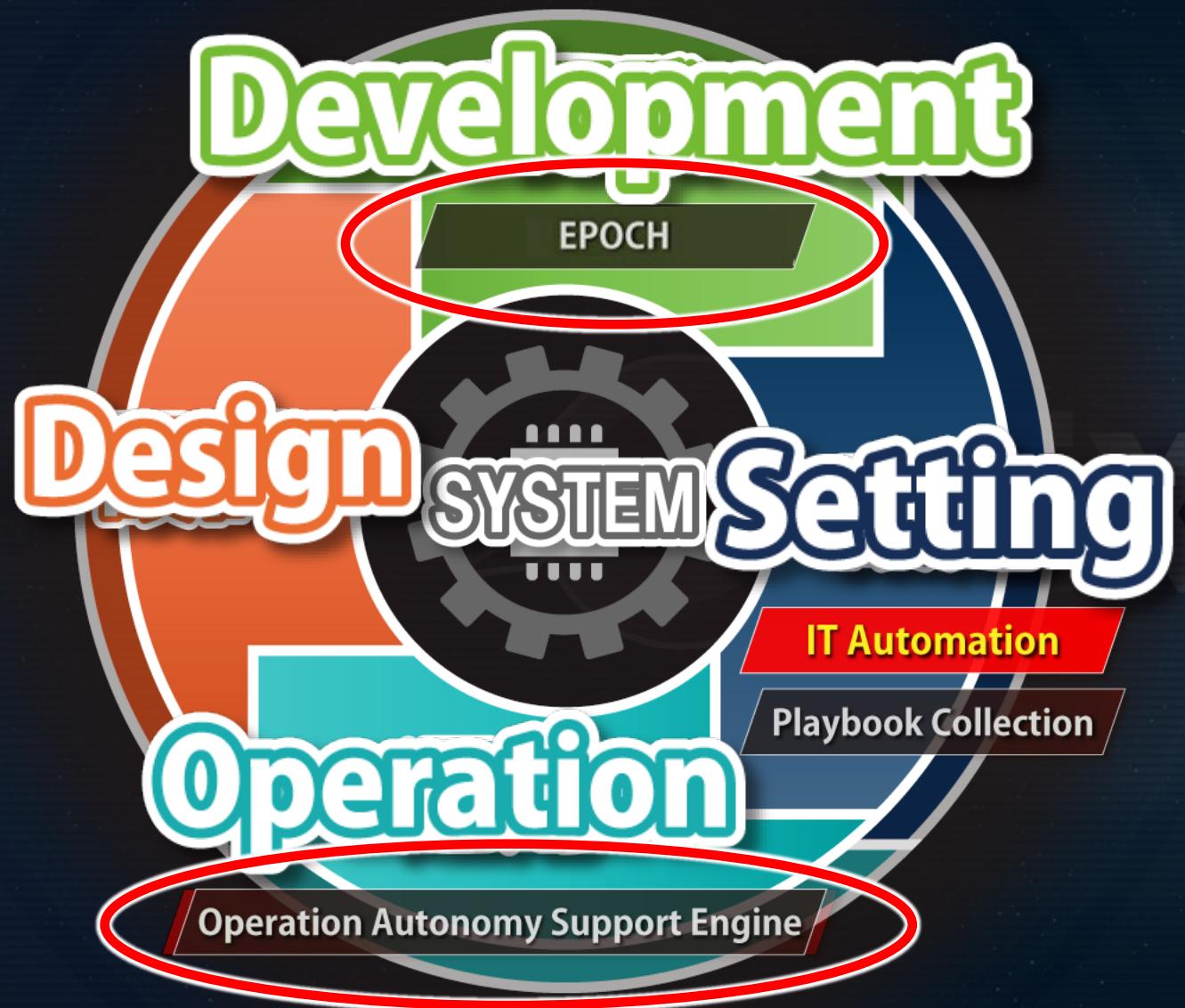
【Case 3】 Operation division controlling other division's AWS systems (2/2)

It also provided support for operational scenarios such as emergency patching of an running EC2 (Autoscale)



Other Software





Exastro is an open source software suite

設計
design

開発
development

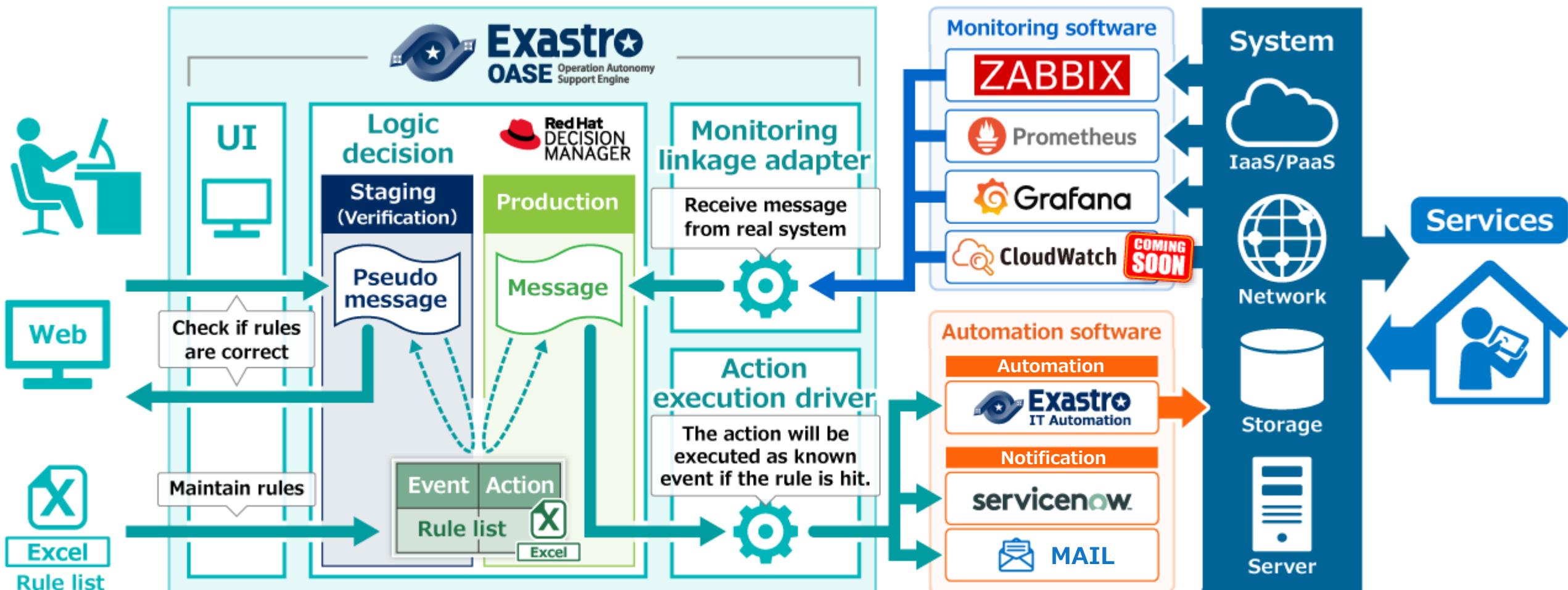
設定
setting

運用
operation

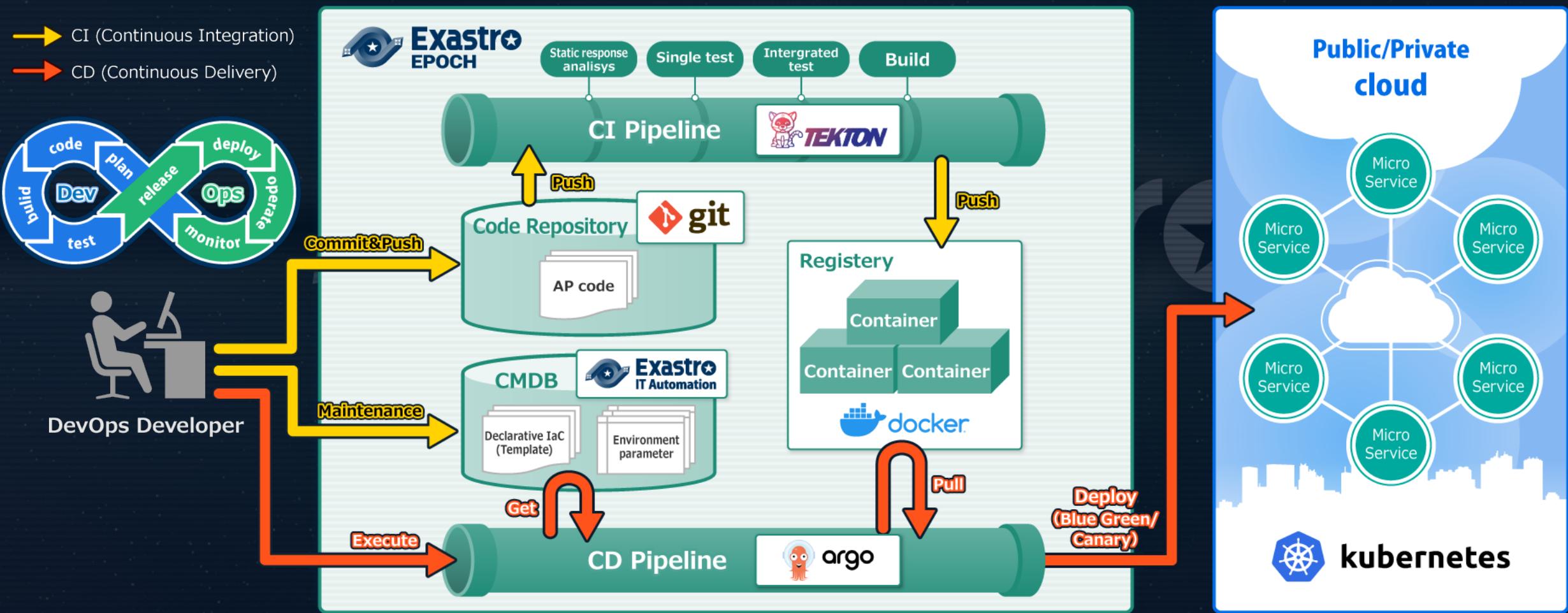
for digitizing, automating and labor saving
the system life cycle
(design, development, setting and operation)

を

Exastro Operation Autonomy Support Engine (OASE) is a framework created to support the Autonomization of system operations



Exastro EPOCH is a “framework made to accelerate cloud native system development”



More information can be found on the Community site!



Exastro

 Search

Exastro

<https://exastro-suite.github.io/docs/index.html>

contact@exastro.jp.nec.com





Exastro 