

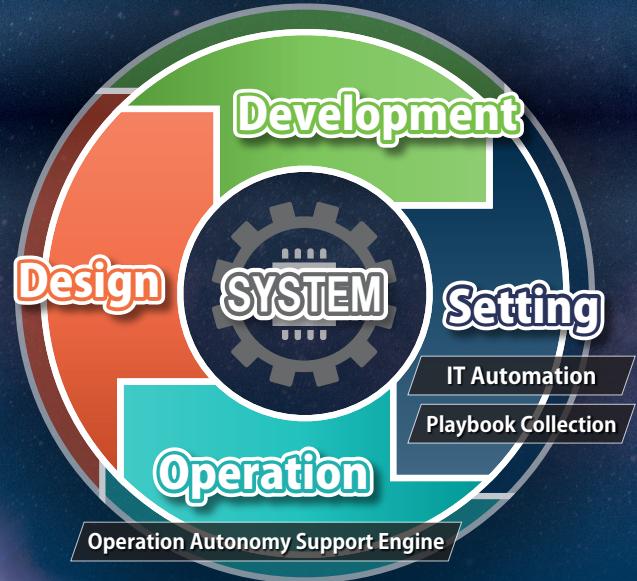


Exastro

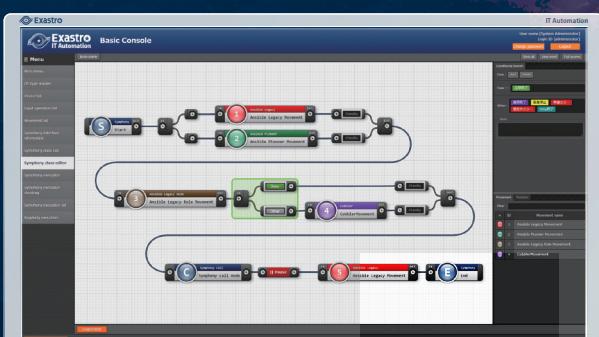
Automated tasks simplify operation.

Exastro is an open source software suite for digitizing, automating and labor saving the system life cycle.

(design, development, setting and operation)



Exastro Suite



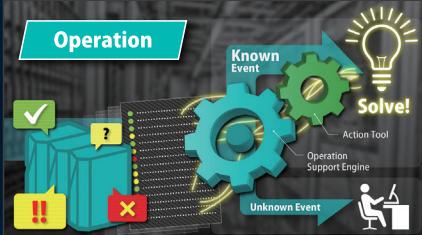
IT Automation

Setting

Exastro IT Automation is an Open Source Framework for digitizing and centrally managing the system configuration.



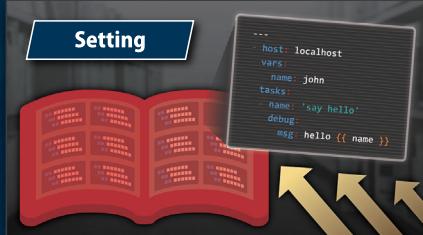
OASE Operation Autonomy Support Engine



Exastro OASE is a software that supports automation of system operation by automating human decision making. Decides that message received from Monitoring Software is Known or Unknown event.

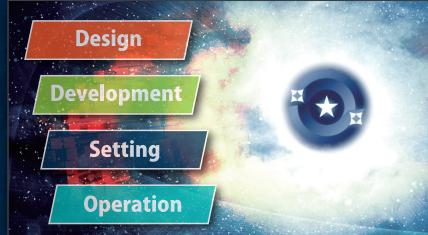
When a message is a known event, Exastro OASE connects with automation software and handle the process automatically.

Playbook Collection



Exastro Playbook Collection is a collection of Ansible Playbooks for OS and Middleware used in System Integration. It include Playbooks that collects parameters from the actual server, and can be used to check settings after construction.

and more...



further possibilities for Exastro.

Details look on the back or official website

Search

Exastro

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



Exastro IT Automation

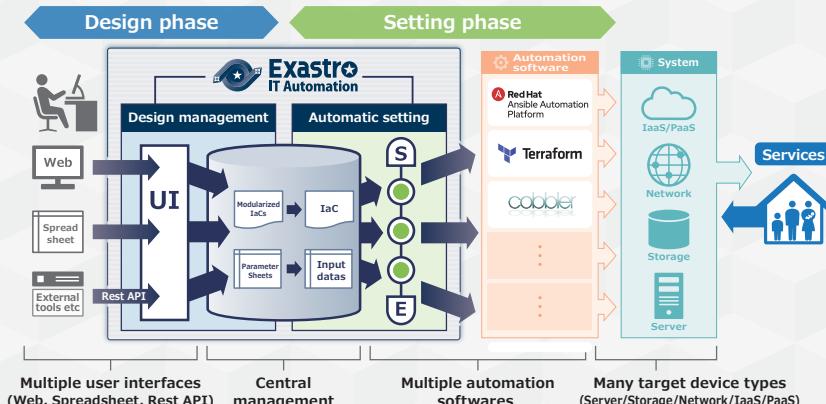
Setting

Exastro IT Automation offers solutions to the following problems in the system life cycle:

Data management errors

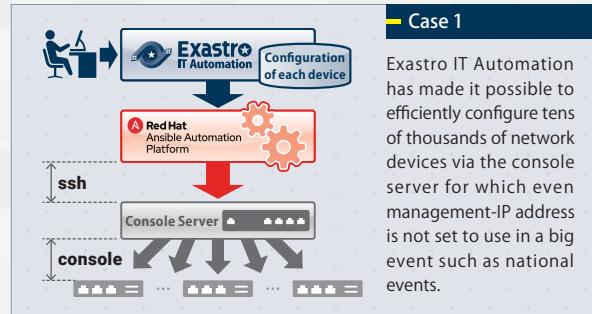
Manual processing mistakes

Delays in responding to problems



"7 Features" of Exastro IT Automation

- 1 Multiple user interfaces & Role Base Access Control
- 2 Function to manage parameters' change history
- 3 Function to prevent typos of variable names
- 4 Function to improve the reusability of the IaC
- 5 Function to control multiple automation tools (incl. Ansible)
- 6 The last way to continue automation: pioneer mode
- 7 Real-time monitoring of execution status



Case 2

Exastro IT Automation has automated all the operations of a large-scale carrier system i.e. from "system construction phase" to "operation phase" and made it "One-Stop Operation".

In large-scale systems, things get updated every day and device failure occurs frequently.

Even in such scenario, Exastro IT Automation provides an environment where designers and operators can concentrate on their work by managing the design history of system configuration centrally.

In other words, with the use of Exastro IT Automation, high level of efficiency and quality balance can be achieved easily.

Parameter sheet with history management function provided by Exastro IT Automation

host	Operation		Parameters			Design Date
	date	Name	P1	P2	P3	
hostA	12/20	Prepare for Christmas	1024	512	2048	... 10/1
hostA	11/20	Add hostB	512	256	1024	... 8/3
hostA	9/3	First release	256	128	512	... 7/7
hostB	12/20	Prepare for Christmas	16	32	64	... 10/1
hostB	11/20	Add hostB	32	64	128	... 9/2

Filter parameters by setting operation date to "11/20".

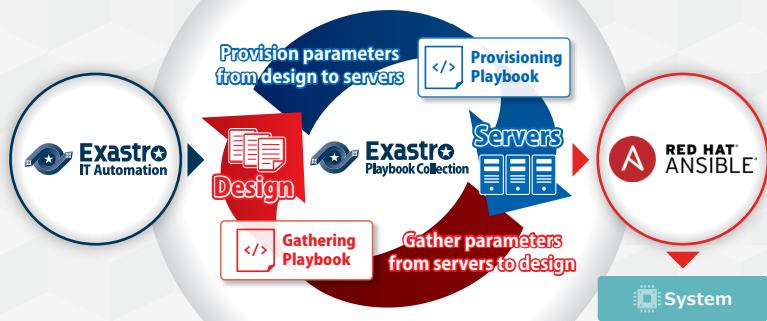
Operators can concentrate on operation. Change Validate

Designers can concentrate on design.

System

Exastro Playbook Collection

Setting



"Exastro Playbook Collection" is a pool of Ansible Playbooks for OS and Middleware used in System Integration.

The special feature is, in addition to the provisioning, Playbook also enable the use of gathering.

"Gathering Playbook" enables the gathering of parameters from the actual Servers and gathered parameters can be used as an input of provisioning playbooks.

Use cases of Exastro Playbook Collection are following:

- It checks that actual server's parameters are correct after provisioning.
- It confirms no difference between specifications and parameters on the actual servers.
- It reports the differences of parameters between development servers and production servers.
- It adds a new server with the same parameters as existing servers.

Exastro Operation Autonomy Support Engine

Operation

Exastro Operation Autonomy Support Engine has the function of "rule management", "Judgement automation" and "handle automation". And those are achieved by one-stop.

Exastro OASE offers solutions to the following problems in the system operation:

- ✓ Judgement on the operation dependent on a Knowledgeable person
- ✓ Operation mistakes by complicated manual work
- ✓ Expansion of service influence by error recovery delay

