

Automation as a Service

MIRAT drives business growth with deployment automation.

Increase IT Infrastructure performance & save 40 - 60% of man-hours in deployment.



Overview

The next-gen technologies are changing faster than ever. At the same time, IT infrastructure is suffering from age-old technologies and striving to transform into modern technologies. In this process, companies are facing two big challenges, deploying software in different systems existed across different geographical areas. Human handling for deployment is a big challenge and cumbersome process due to time variation from region to region. It leads companies to evolve to embrace the automation process.

NovelIRS has developed a product MIRAT with cutting-edge technologies capable to deliver automation and operational analytics that boosts to increase service availability and drive towards business growth.

MIRAT deployment management as a part of automation-as-a-service is integrated with intelligent and modern infrastructure solutions can rapidly adapt to speed up your business.

MIRAT - The Next Generation Tool

The Modern Infrastructure Remote Automation Tool [MIRAT] is an ITSM enabled IT infrastructure tool to deliver bundle of services to cater to organisation infrastructure needs. It has a unique feature of deployment management solution under automation as a service. It perfectly suits to small, medium, and big organizations.

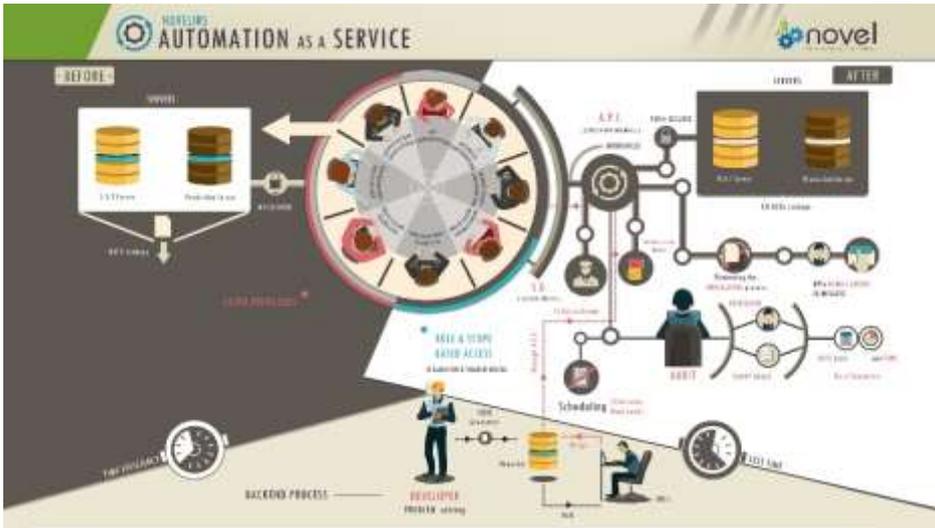
Now, we are speaking about infrastructure automation, it includes scripting environments starting from installing an operating system, installing and configuring servers on instances, configuring how the instances and software communicate one another. You can apply the same configuration in the scripting environment to a single node or to thousands, so it makes the job simpler and faster.

The IT administrator has to manage the entire server infrastructure located in different geographical areas. It needs to deploy remotely a software in selected or all servers existed in the organization.

MIRAT Deployment Management Tool as a part of automation as a service helps you not only service point of view but also works out on your business perspective.

Its integrated deployment solutions deliver:

- Avoid 80% human logins.
- Save 40% - 60% of man hours from the process of deployment.
- Proactive monitoring and get live analytics on the performance of systems.
- Enhance speed, quality, and consistency in the entire infrastructure.
- Come down the total cost of ownership by saving man-hours.
- Our 24 X 7 services avoid the time gap in your business process.



Product solution brief

70%

think the switch to automation is necessary to evolve business

58%

of business leaders posit that automation can free up to 3 work hours a day.

83%

of companies have yet to start automation process for their infrastructure.

MIRAT makes it possible to access all systems through a single system and perform different functions like run a script and remove the software from selected or all existing servers.

MIRAT deployment tool will not hamper other employees' work who are working in the production environment. The administrator will check with employees, schedule deployment program as per time and date advised by them to run a script or deploy software. All scripts are to be exposed as API. It is possible to set up a time to shut-down all systems automatically. The administrator can delete remotely the legacy software or scrips existed in systems for that he can schedule time as per employees' convenience.

It generates a report as and when required to know the status of different software or databases existed in systems. It is easy to find old or legacy software to enable to delete at a time from all systems.

Automation as a service facilitates the administrator to audit all systems existed in the Organization. It generates a report on servers with details of existing software and their versions, databases, scripts and so on. It also provides the statistics for a number of times scripts executed with time and date stamp. It examines if any unauthorised installations happen in systems and also provide the list of unauthorized logins into systems.

Benefits of MIRAT – Automation as a Service

The following are the benefits of MIRAT deployment management.

- Reduce to 80% human logins to the production system.

- It reduces to 80% human logins to the production system.
- The end user avoids duplication by consuming the same script available in the repository. It scans and lists out the duplication of scripts. The report will be generated on all systems existing in the organization.
- Helps to integrate the code repository with existing Version controllers.
- In an organization, each user has allocated a role based on his functions. Hence, access can be granted based on the scope and role of the user.
- Developers, SMEs, and contributors may contribute scripts.
- Any script will be exposed as REST API.
- Audit on the execution of scripts.
- The peer review process enables controls to avoid malicious code in the scripts.
- Data leakage eliminated.
- Avoid manual intervention to reduce labor and maintenance cost.
- Reduce errors in the process, as most errors occur due to physical intervention.

Now-a-days, agile model software development, DevOps, e-Commerce, and cloud consumption models are shaping the way in IT services to deliver tomorrow. Hence, companies have no option except to embrace automation to their data center or IT infrastructure to reduce the cost and deliver robust services to their customers.

Principles of Automation as a Service

IT Automation is ever growing process and used for Data Centers, testing automation, simulation of software etc. The basic key principles of automation as follows.

- It is important to train developers on automaton; they should understand the process of a particular product how it works and how to make automation software to work without human intervention.
- Make an automaton list to avoid confusion. For example, to automate a machine, list out the activities in chronological order. It is necessary to make a list of activities step by step whether it is a machine or software.
- Automate the process starts with a simple step. Of course, the word is small but difficult to materialize. A simpler solution makes a big impact because automation starts with a simple step.
- Automation as a service drives your business forward, even if the rest of the organization does not know what the data center does. So, you need to eliminate manual checks and increase system availability. If the data center is automated, it is possible that management to concentrate outside for more opportunities to develop the business.
- Automation-as-a-service builds to deliver exceptional notifications to the people concerned with the problems.
- Automation as a Service certainly eliminates to run books and manual procedures as it automatically alerts the people on their tasks to perform.

Importance of Automation as a Service

When thinking about IT automation, most of the benefits strike in our minds especially two of them are efficiency and increased productivity. Of course, automation as a service should save manpower and money that allows focussing on critical business issues.

- Automation drives to improve your business as most of the things happen without interruption and not depend on manpower. Since automation makes your business in a continuous process you can get an estimation of how to improve further.
- It saves a great amount of manual consumption time by eliminating repetitive tasks. Leveraging automation certainly helps to reduce the time for creating tickets and configuring applications.

It takes care of creating tickets and assigning to people concerned on priority. It sends reminders to the people as per SLA if tickets are not resolved.

- The way to leverage the utmost advantage of IT automation is ensuring workflows already created and processed prior to automating certain things. It is one of the important processes in automation-as-a-service.
- Automation Tools improves the visibility of the overall organization which helps to initiate to move the business further in the right direction. It gives a live status of each segment in a company through a dashboard. In case, the company is using a monitoring tool, it is easy to know the live status of server memory, ping status, and storage capacity, data center etc. It displays in different pictorial presentations like pie charges, graphs, and data in a tabular format.
- Automation-as-a-service makes the easiest way to develop accountability, visibility, and a centralized process for the growth of the organization.

To know more details, please spend 30 minutes of your time we will give insights and features of MIRAT. Click the [DEMO](#) link for more details.

For more details, please send a mail to info@novelirs.com.

Product solution brief

For more details:
Visit www.novelirs.com