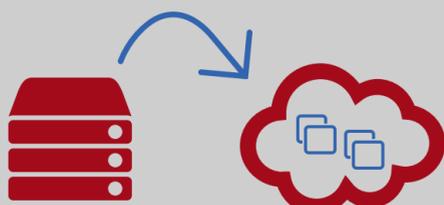# APPLICATION AUTOMATION
THE MISSING LINK IN YOUR CLOUD TRANSFORMATION JOURNEY

Cloud is now the new norm for IT infrastructures, with most organisations planning "cloud first". But there is no single end point for cloud deployment. Instead, your cloud transformation is a journey; one that lets you define and re-define the best location for your applications as dictated by changing business needs.
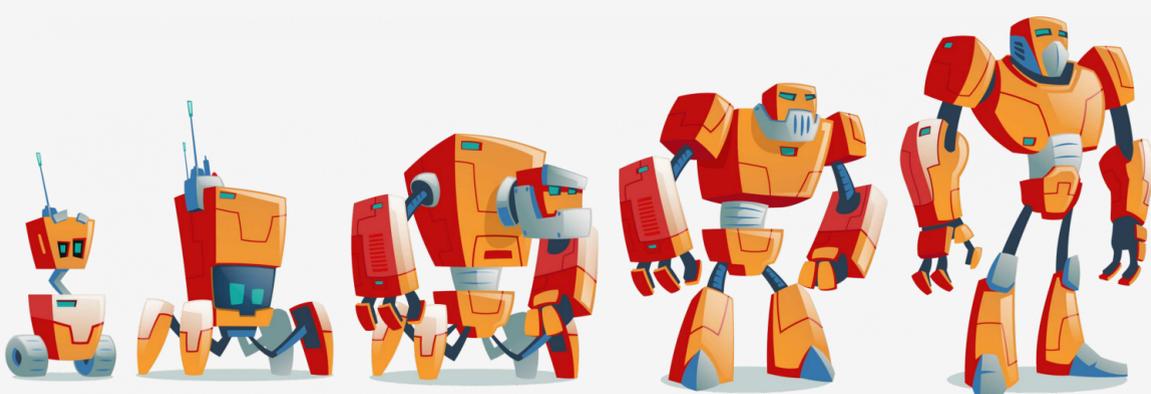
Traditional hosting to serverless
journeying through virtualization, IaaS and cloud native on the way

Modernize and Automate Applications
Your apps should be as automated as your infrastructure!

To take full advantage of your cloud transformation and the agility of your new environment, you need to automate your applications as well as your infrastructure.

Aim to replace existing manual tasks—which are labour intensive, slow and prone to error—with automated processes from app development through to operations in the cloud, building up automation as you go.

MANUAL
Manual scripting, ad-hoc tools, little integration

DEVOPS
Automated tools and processes through dev, test and release

IAC
Application and infrastructure modeling with repeatable processes through to deploy

AIOPS
Automation and autonomics for self-monitoring, self-healing and auto-scaling of apps

Understanding the Acronyms
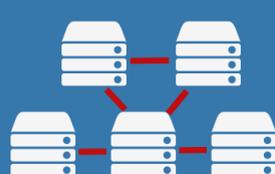### Fortunately they aren't as complicated as they sound!

DevOps, IaC and AIops are really just about automating the processes that deliver and manage your applications in your chosen infrastructure. It's not about choosing one or the other; rather about automating as much as possible to shorten timescales, improve agility, quality, reliability and availability. You can—and should—aim to progressively implement all three.

DevOps

IaC (Infrastructure as Code)

{My app becomes a model that is coded by developers, tested by QA, and continuously deployed by ops in the cloud. They can all collaborate together, and release apps and features faster and more reliably with integrated feedback loops.}

{Just like my app itself, I turn my data centre infra into a model. All the networking, database and server stuff just become lines of code. Now my infra can be spun up automatically and taken down whenever I need.}

My App Running Autonomously in the Cloud

{My developers include smart agents in my app model. These agents monitor the health of my app when it's running in the cloud. They proactively try to heal my app if things go wrong, or spin up another app instance if they can't fix it. They can also automatically scale my app up or down if the load on it changes.}

AIOps (Artificially Intelligent Operations)

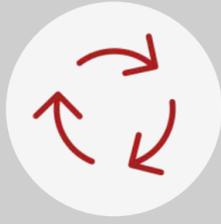## Delivering Infrastructure as Code and AIOps
With UForge AppCenter

UForge AppCenter accompanies you on your journey, transforming and automating applications for cloud.

Automate Cloud Infrastructure
Model and deploy applications and infrastructure across hybrid and multi cloud

Automate DevOps
Continuously deliver software in an automated, repeatable way across multi-cloud

Manage with AIOps
Build AIOps into app deployments, so they can run autonomously in the cloud

UForge Benefits
What benefits do our customers see when automating apps with UForge?

100%
Automation
Less time and money spent on operations, fewer service desk calls and no need to wake engineers up in the night

0
Data Loss
When a customer's main cloud provider experienced catastrophic failure, the service was automatically shifted to a new platform with zero data loss

30%
Faster
Development, testing and QA cycles for an ISV's daily application changes, getting customer feedback into production faster

20X
Faster
New application deployments can be done in hours, instead of days; in some cases deployments take less than an hour

70%
Less
Time needed to deploy a PaaS platform reduced from five hours to just 90 minutes

88%
DevOps Readiness
Up from 23% in an assessment of a customer's readiness for DevOps, based on culture, automation, leanness, management and sharing