# INFOGRAPHIC SERIES



Infrastructure as Code (IaC) is the process of provisioning and managing IT resources including data centers, storage, compute, and networking equipment, through machine readable definition files, rather than traditional physical hardware configurations or interactive configuration tools. IaC uses repeatable process management and automation to improve IT services by treating hardware like software.

Benefits of IaC



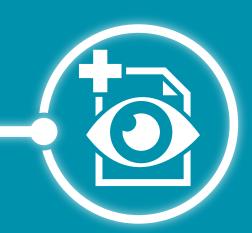
## INCREASED PERFORMANCE

through faster configuration & provisioning of infrastructure



#### **REDUCED COST**

via fewer dependencies of manual tasks & more efficient use of resources



## **IMPROVED SECURITY**

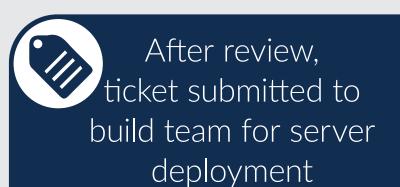
by eliminating human error in provisioning & configuration management

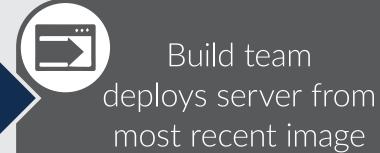
Use Case: 1901 Group's infrastructure-delivery process before and after deploying IaC



Server request submitted to Change Control Board (CCB)



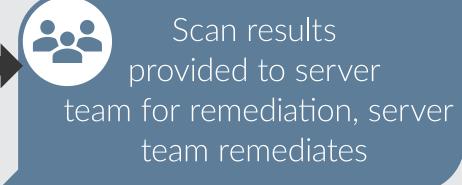














Server delivered for application install

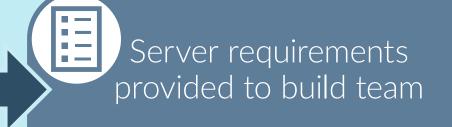
Lengthy manual process takes 2 WEEKS or more to deliver infrastructure

NO

# AFTER DEPLOYING IaC

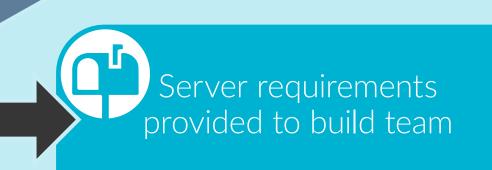
Change Control Board (CCB) reviews and approves IaC process and server images







Build team executed IaC automation

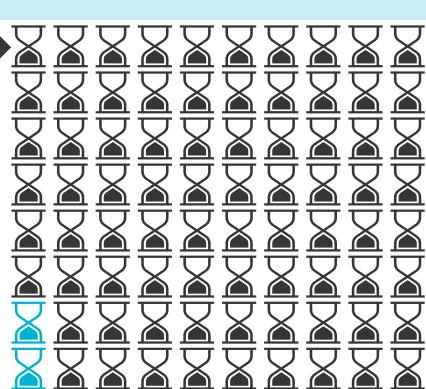


Automated process takes 2 HOURS or less to deliver infrastructure

Manual Process

Hours

**HOURS** SAVED



That's **FASTER** 

And 40x \$78,000 \* TRIVINGS

than the manual delivery process per year based on a forecast of 10 IaC automations\*

IaC