

# INFRASTRUCTURE AS CODE

AUTOMATION OF IT INFRASTRUCTURE

**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.

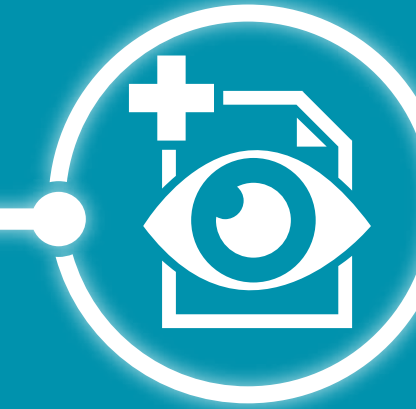
## Benefits of IaC



**INCREASED PERFORMANCE**  
through faster configuration & provisioning of infrastructure



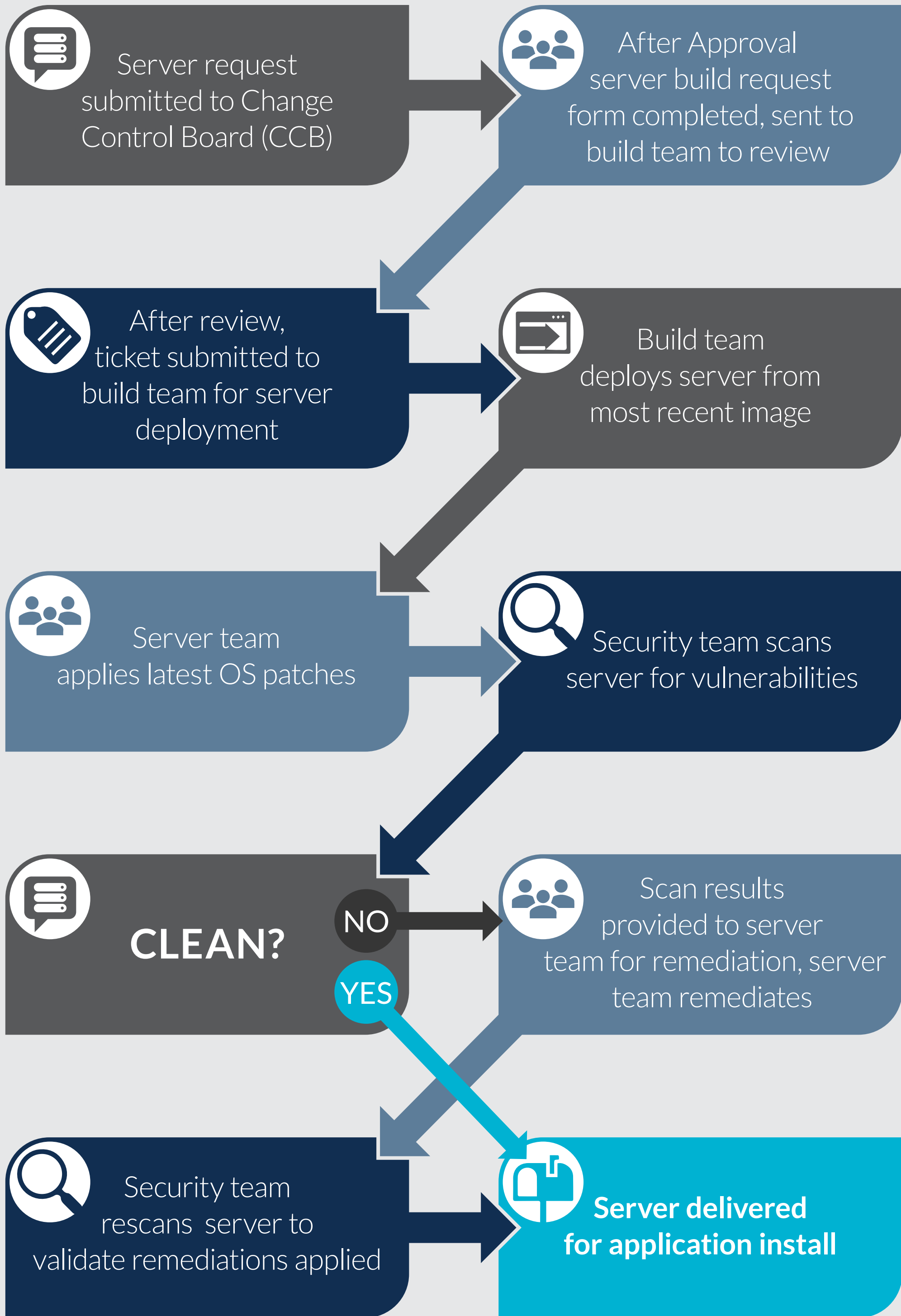
**REDUCED COST**  
via fewer dependencies of manual tasks & more efficient use of resources



**IMPROVED SECURITY**  
by eliminating human error in provisioning & configuration management

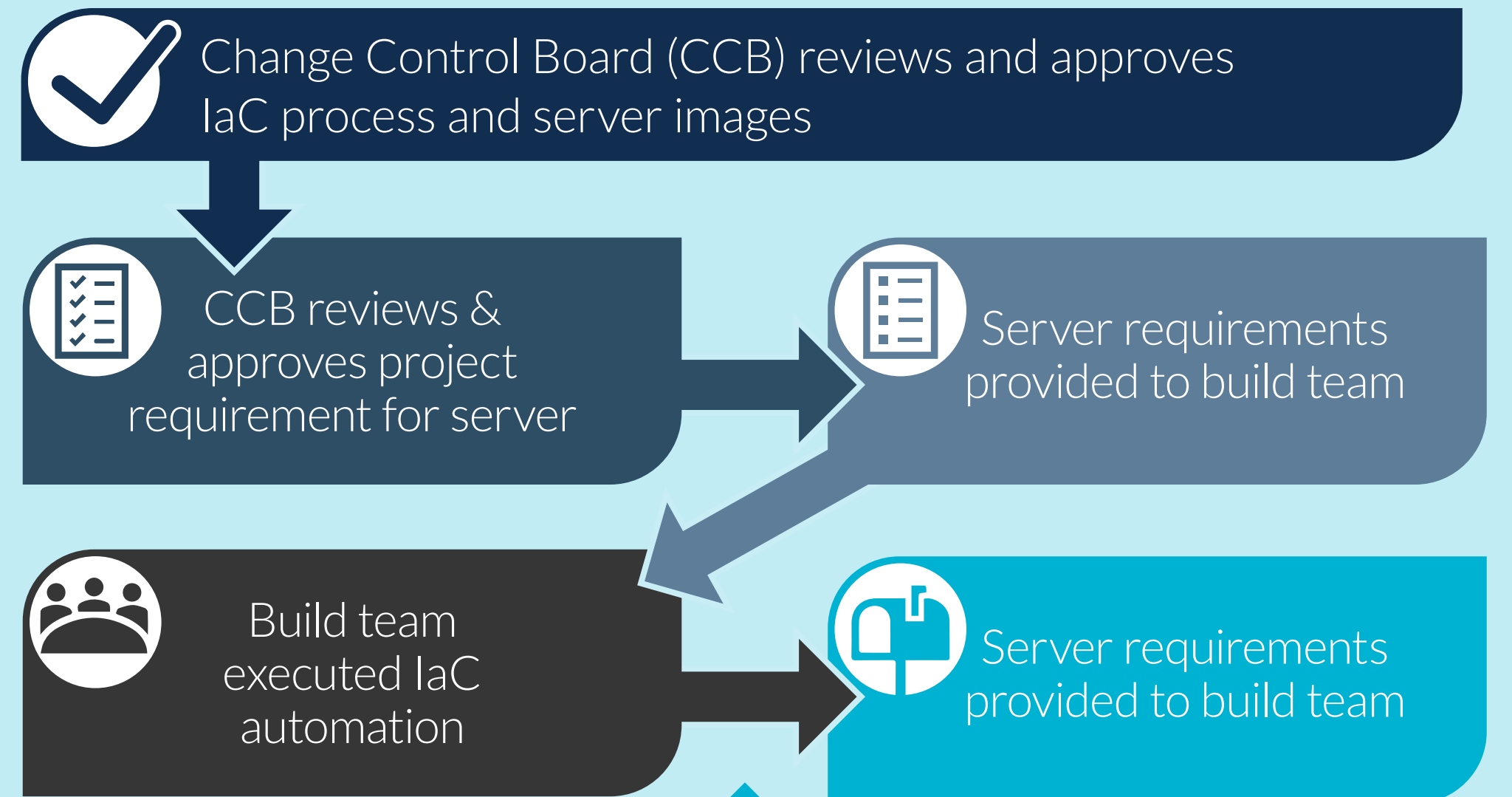
**Use Case:** 1901 Group's infrastructure-delivery process before and after deploying IaC

### BEFORE DEPLOYING IaC

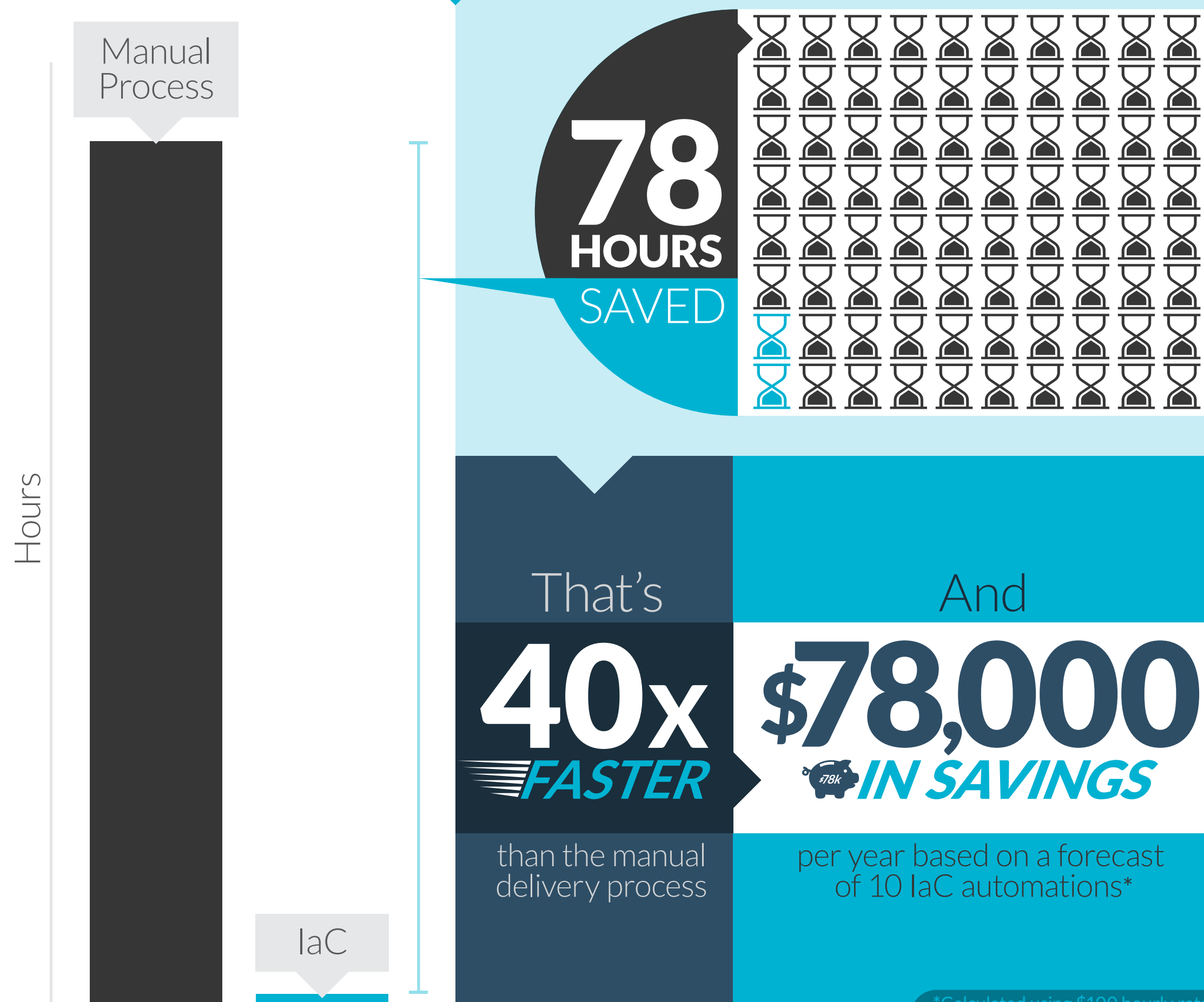


Lengthy manual process takes **2 WEEKS** or more to deliver infrastructure

### AFTER DEPLOYING IaC



Automated process takes **2 HOURS** or less to deliver infrastructure



\*Calculated using \$100 hourly rate.