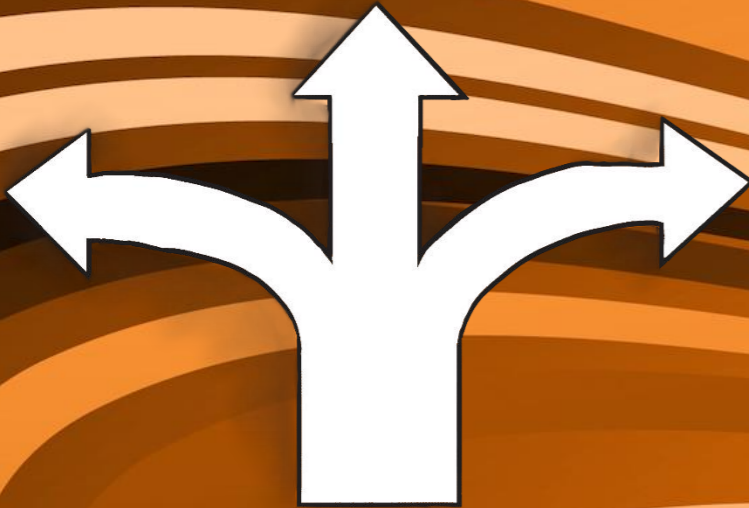




Three Paths of Enterprise IT

Ivan Pepelnjak (ip@ipSpace.net)
Network Architect

ipSpace.net AG



Who is Ivan Pepelnjak (@ioshints)

Past

- Kernel programmer, network OS and web developer
- Sysadmin, database admin, network engineer, CCIE
- Trainer, course developer, curriculum architect
- Team lead, CTO, business owner



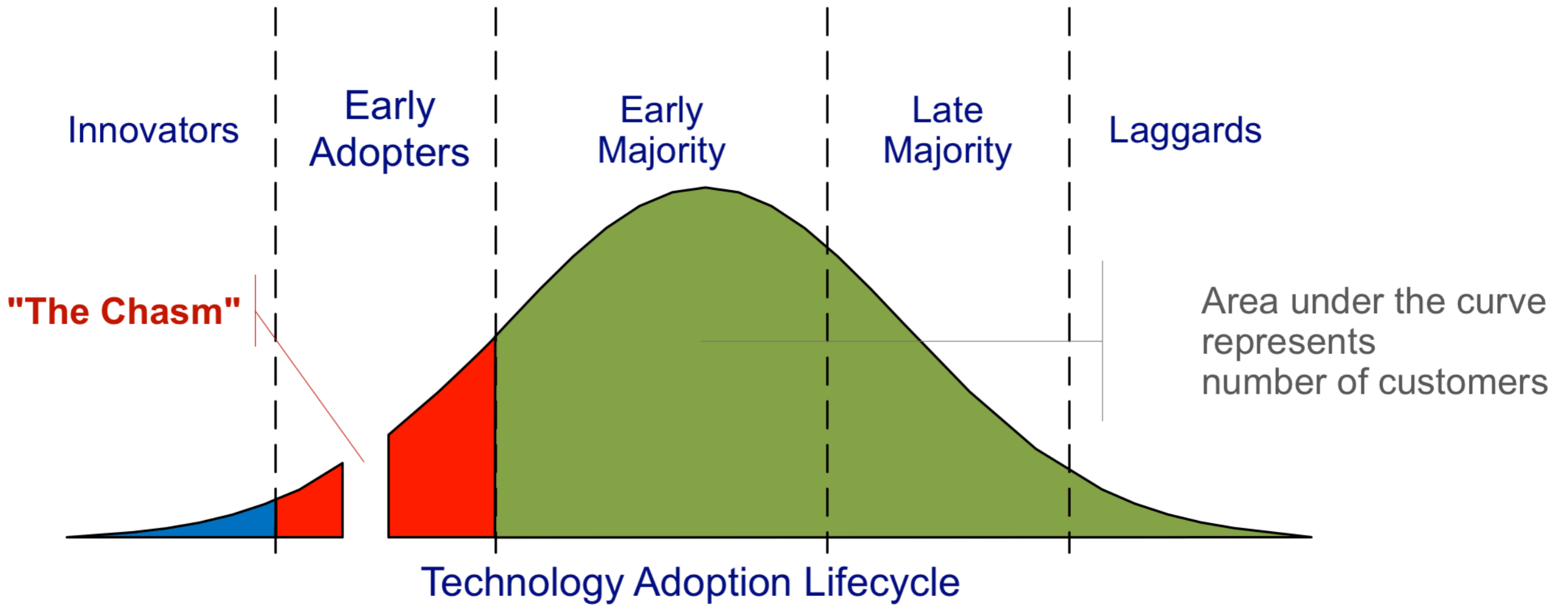
Present

- Network architect, consultant, blogger, webinar and book author

Focus

- SDN and network automation
- Large-scale data centers, clouds and network virtualization
- Scalable application design
- Core IP routing/MPLS, IPv6, VPN







**Vendors are in this
game to make money**





COURTESY KEVIN STEELE/PURVA VIVA

ipSpace

Trust me, Wood-Based Architecture is so much better

Open

Model-Driven

Software-Defined

Application-Centric

Intent-Based

Fabric Path

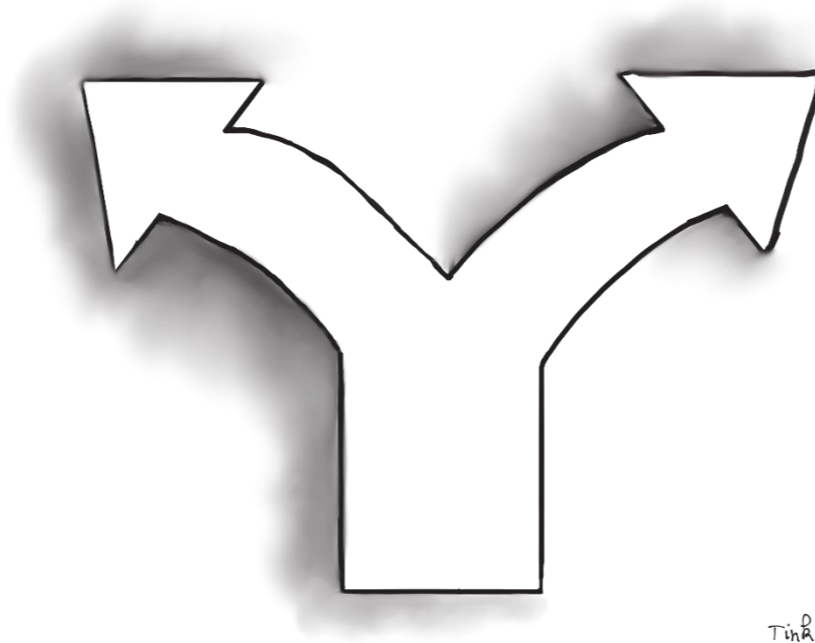
Dynamic Fabric Automation

Application-Centric

Intent-Based

How Do We Move Forward?

Service Providers Enterprises

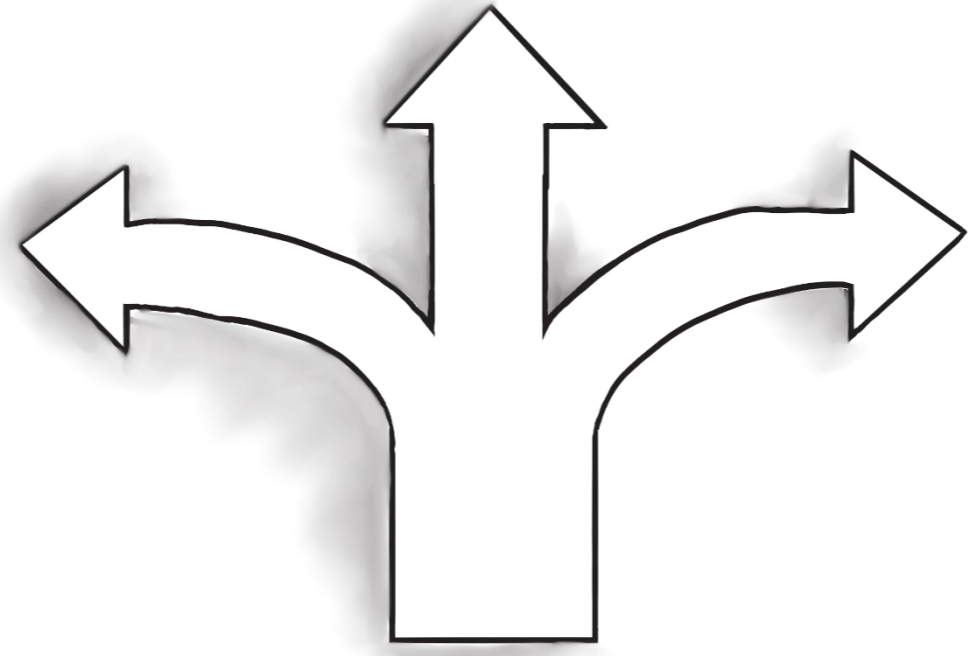


Tinkara P. ♥

Cloud Providers

Service Providers

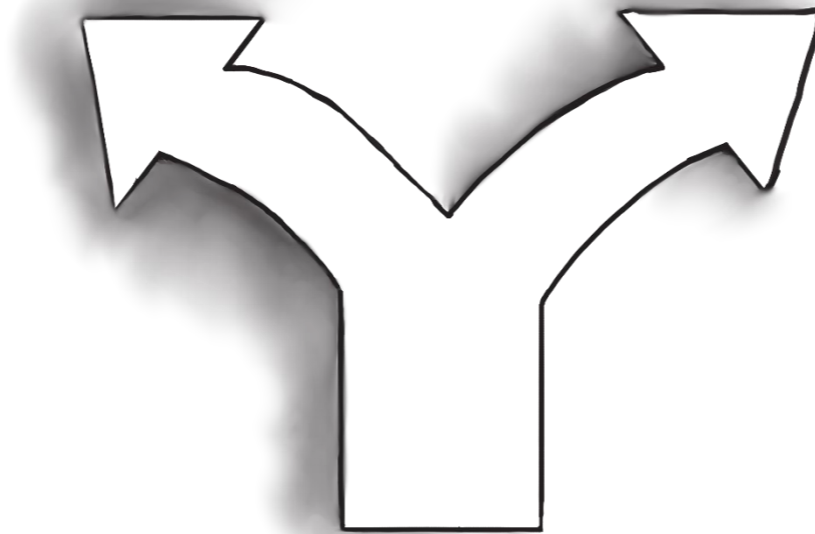
Enterprises



Tinara P.

Network Is Strategic Asset

Network Is Cost Center



Tinkora P. ♥

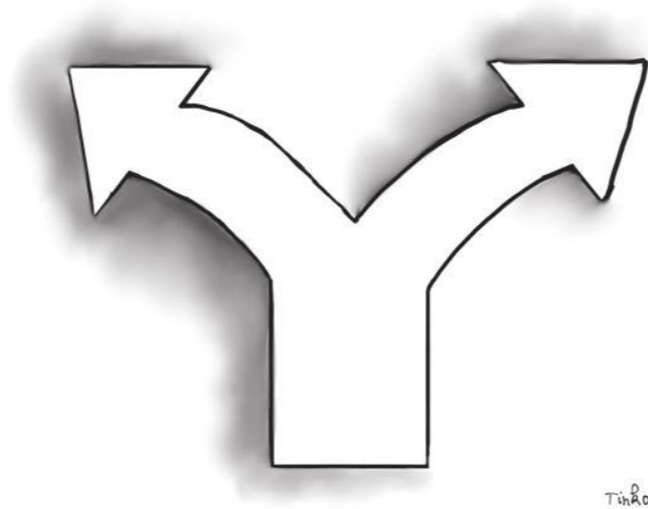


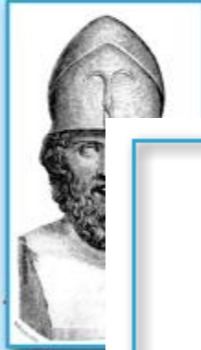
Author: Russ White

Where Are You?

**Network Is
Strategic Asset**

**Network Is
Cost Center**





Strengths

- A well trained Spartan army
- A high level of motivation not to become a Persian slave
- Most of the Persian army are mercenaries and slaves

Weaknesses

- The rest of the Greeks aren't well trained
- The Ephors might stop the Spartans turning up
- A truck load of Persians ARE turning up

Opportunities

- Get rid of the Persians
- Get rid of the Spartans
- Become a Legend

Threats

- Persians get rid of us
- The Oracle says a really dodgy film might be produced over 2,000 years later



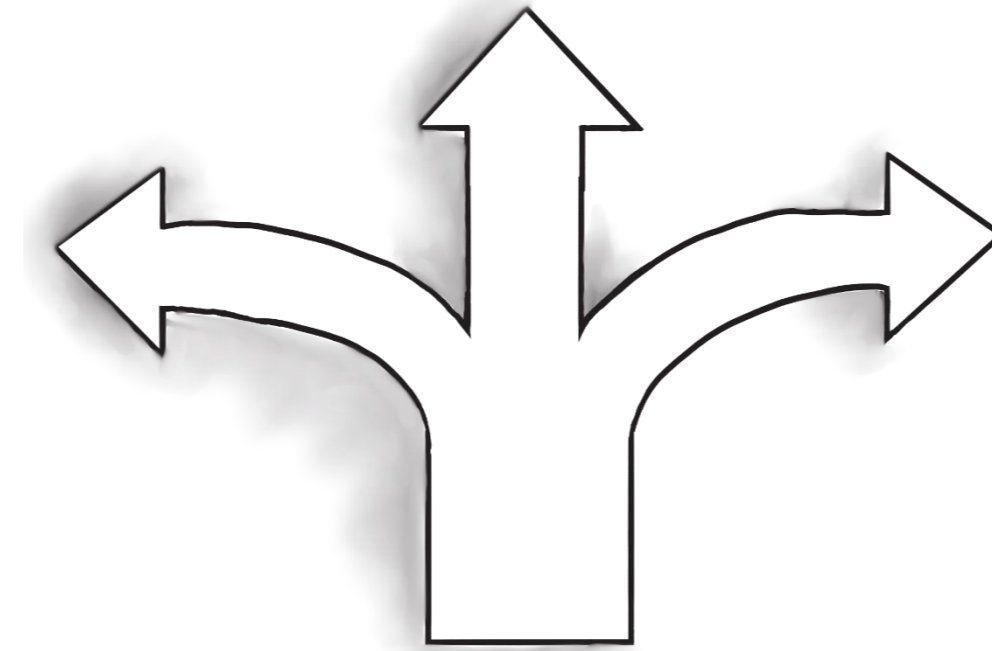
Author: Simon Wardley - <https://blog.gardeviance.org/>

**Focus on Where
You're Adding Value
(80/20 Rule)**

Major Options

Hyperconverged Infrastructure

**Move to
Cloud**



**Control Your
Destiny**

Tinara P.

Move to the Cloud

- Identify commodity components
- Avoid undifferentiated heavy lifting
- Focus on activities where you're adding value

Mandatory:

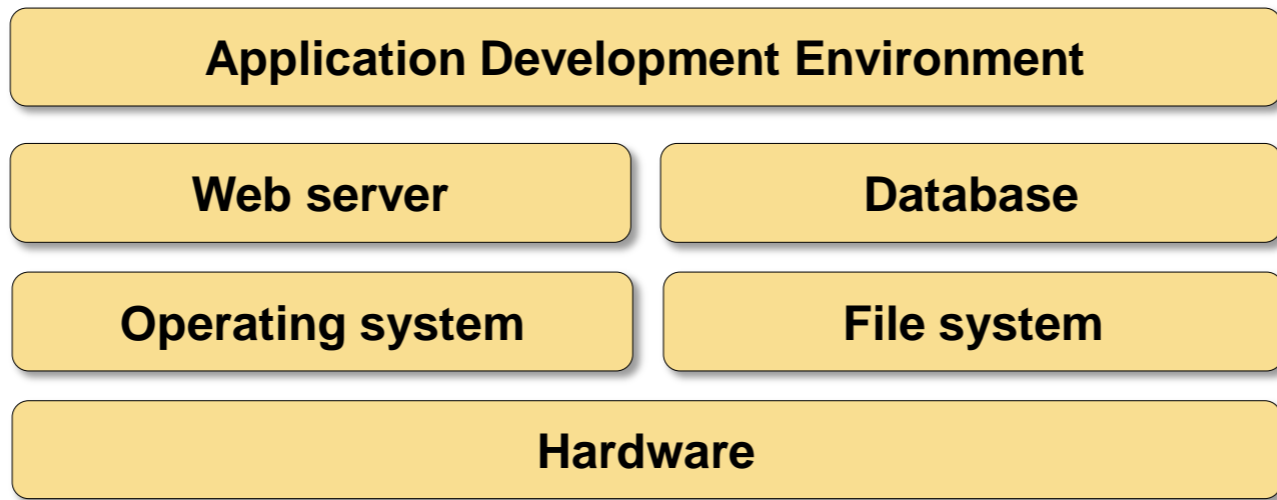
- Retraining
- Change in mentality and processes
- Cloud-native applications





Control Your Destiny

- Open platforms
- Pluggable commodity components
- Hardware-Software disaggregation
- Invest in premium people, not premium vendors

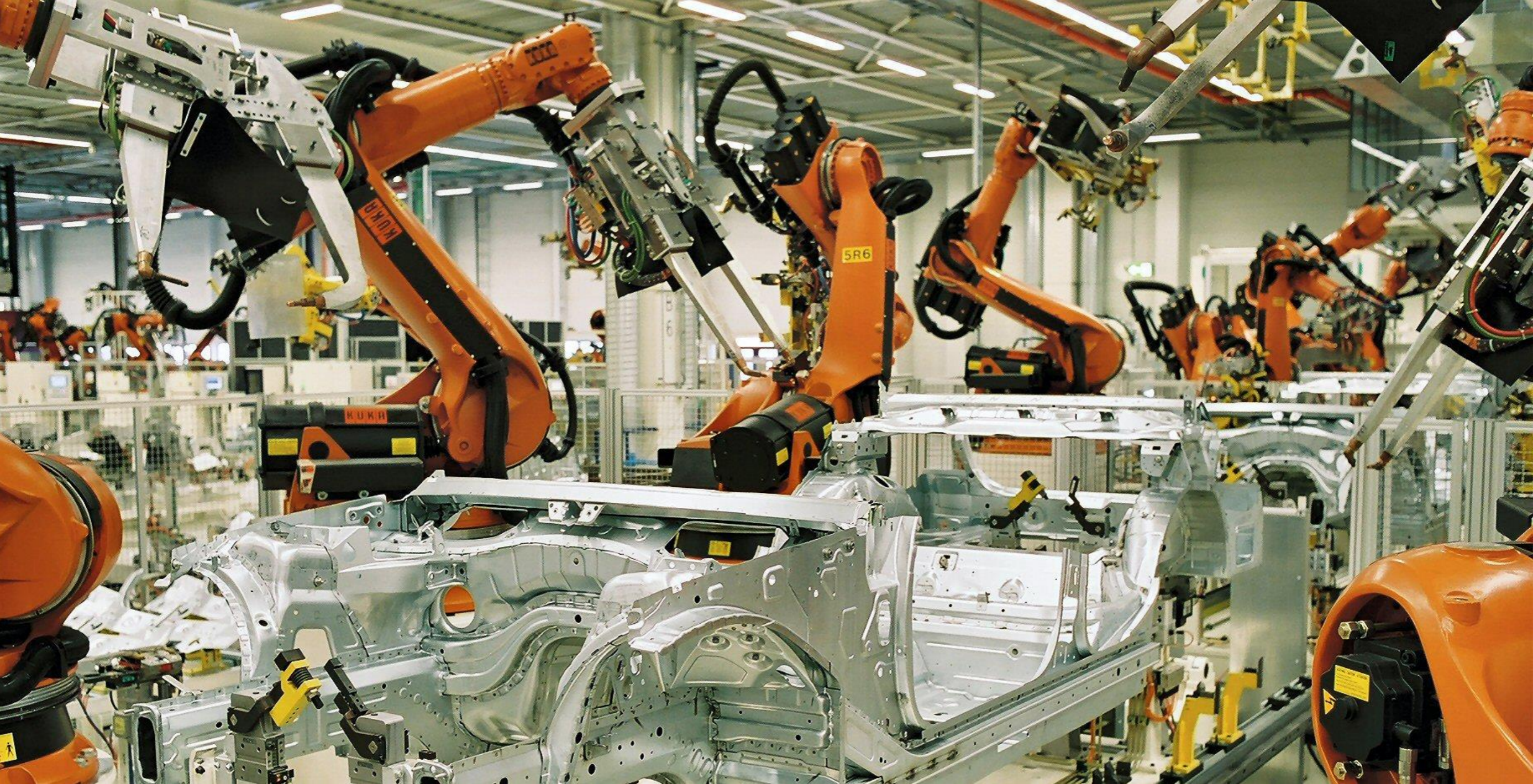


Keep Focus









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Automate as much as possible



Stay in Touch

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