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Continuous deployment in telecom

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Eficode 5G DevOps Team



Presenters



Gabor Megyaszi

**Senior Consultant, DevOps for
Telco**

DevOps agent, architect, dog owner

Responsibilities

- DevOps architect for Telco Business at Eficode
- Product Manager and DevOps Evangelist with 9 years telco and 9 years IT experience
- Former DevOps concept owner at major telecom vendor
- Distinguished Member of Technical Staff at Bell Labs

Certifications

- DevOps DASA, SAFe Agilist
- ISTQB CTAL-TM, CTFL-AT, CTFL
- RHCSA, VMware
- AWS SA A, CKA

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Being on the vendor side



Problems in SW delivery

01. BIG BANG SW CHANGES

1-2 SW release per year with huge content (feature and correction). Effort to take into operational use.

02. QUALITY UNCERTAINTY

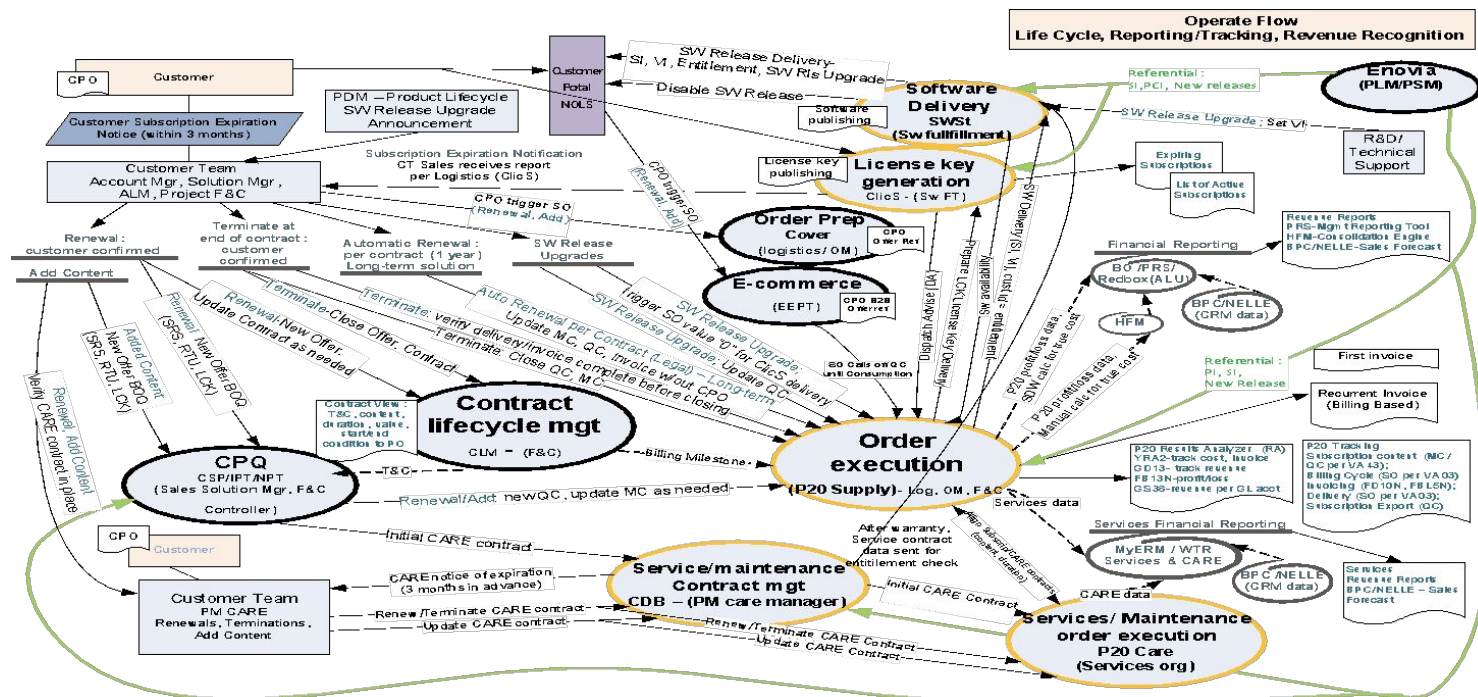
SW content cannot allow tailored QA. Bugs found on customer premise. Effort to fix, contractual penalties.

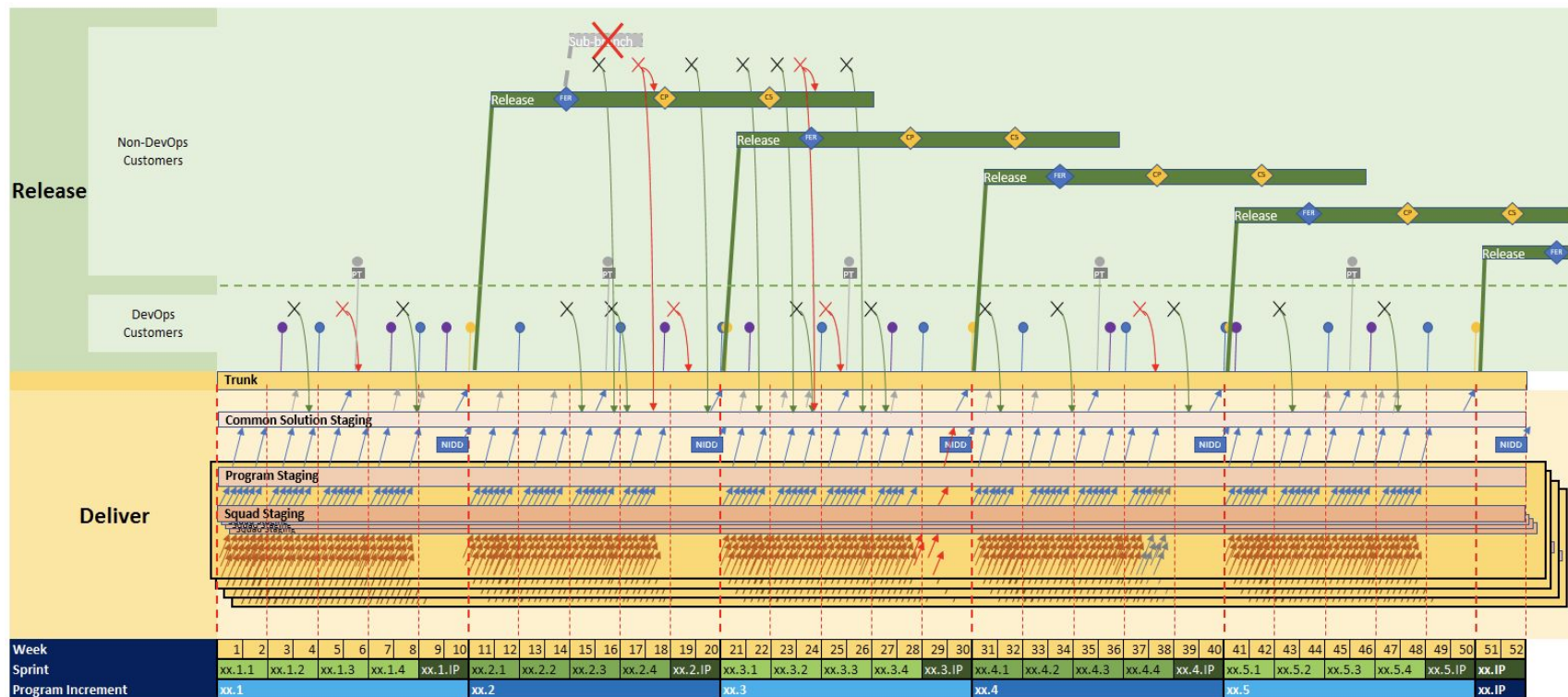
03. SUPPORT AND MAINTENANCE

Long acceptance cycle shortens useful timespan of release = custom support and upgrade paths = increased R&D effort

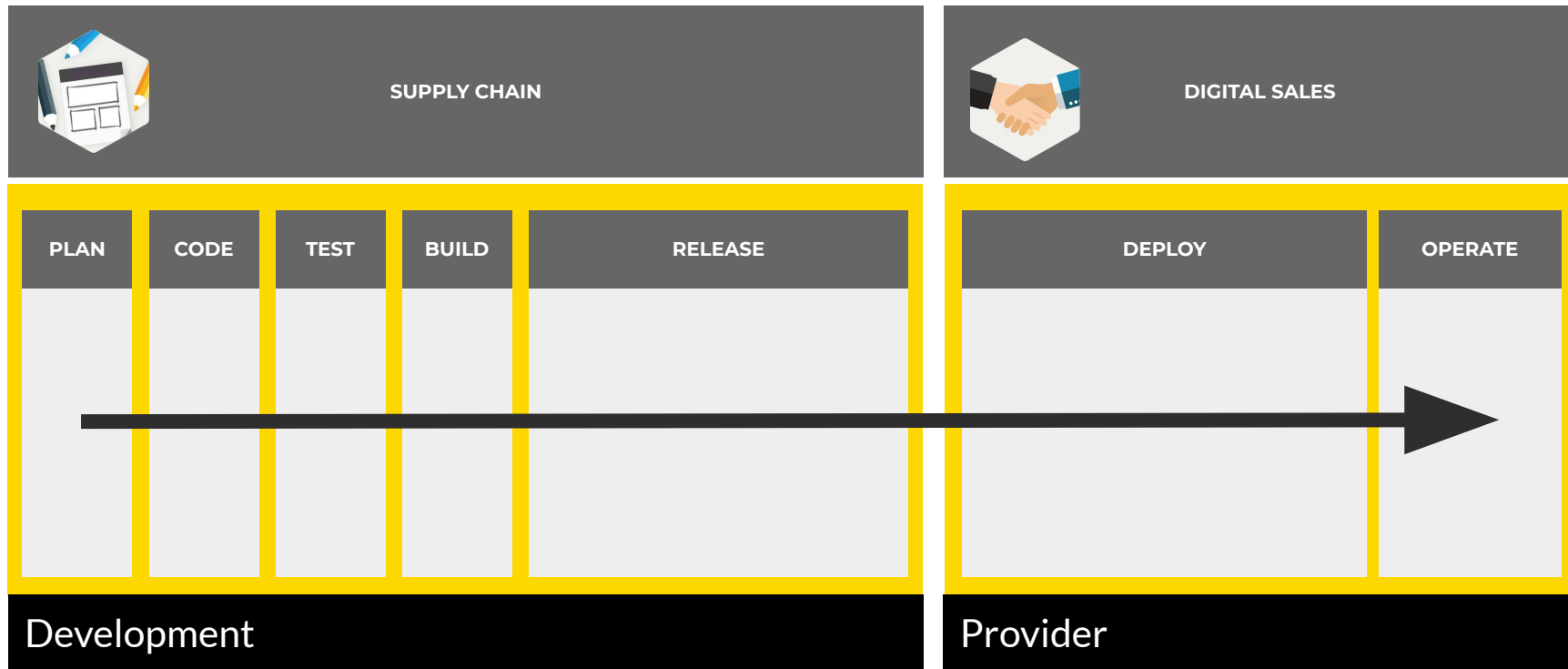
04. SLOW TO EVOLVE HARD TO MONETIZE

Lack of support for new business models, markets and opportunities. No automation or digital support to boost efficiency.

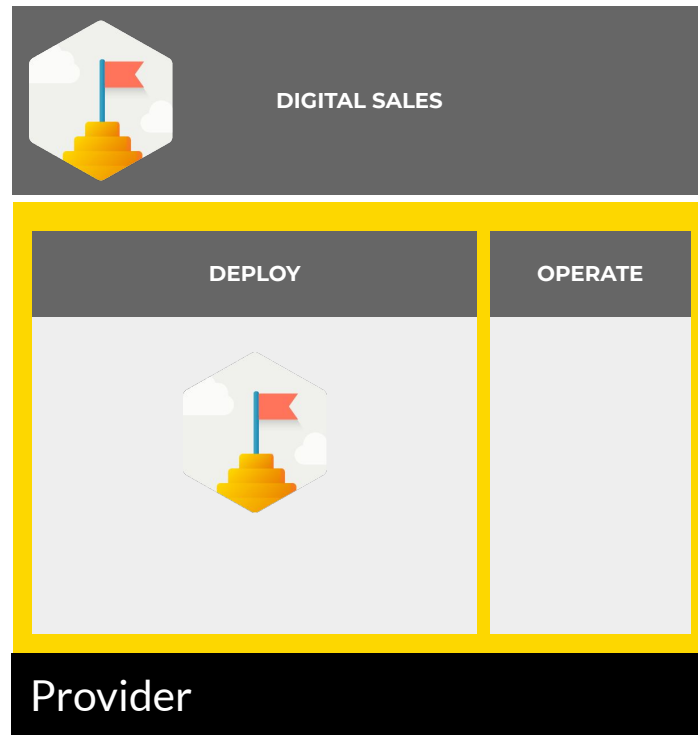
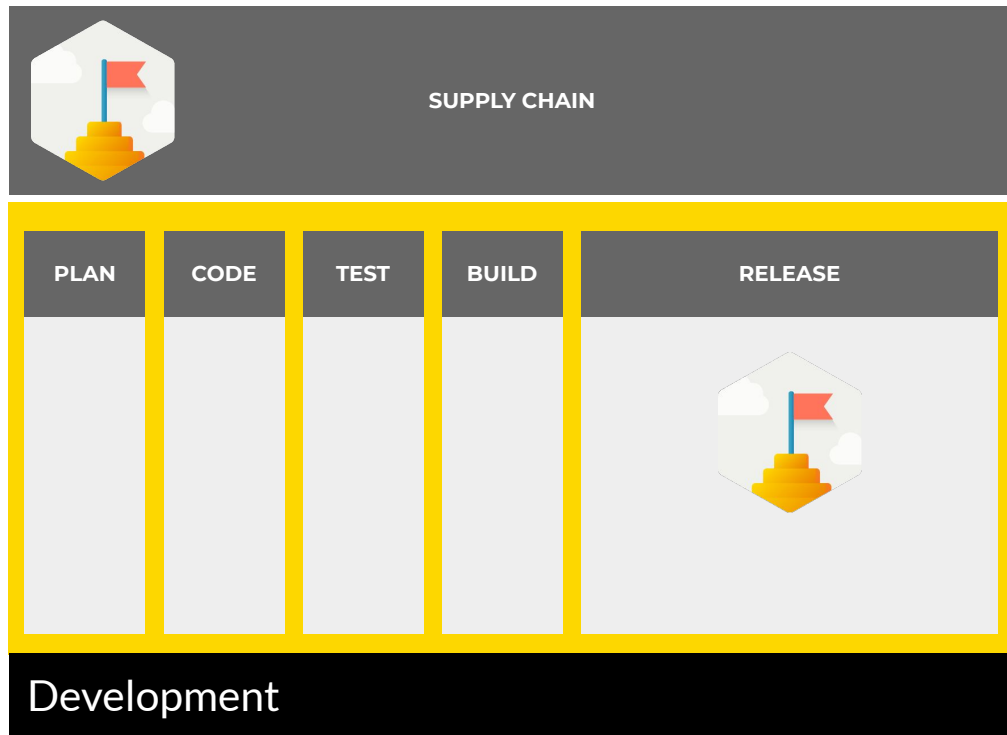




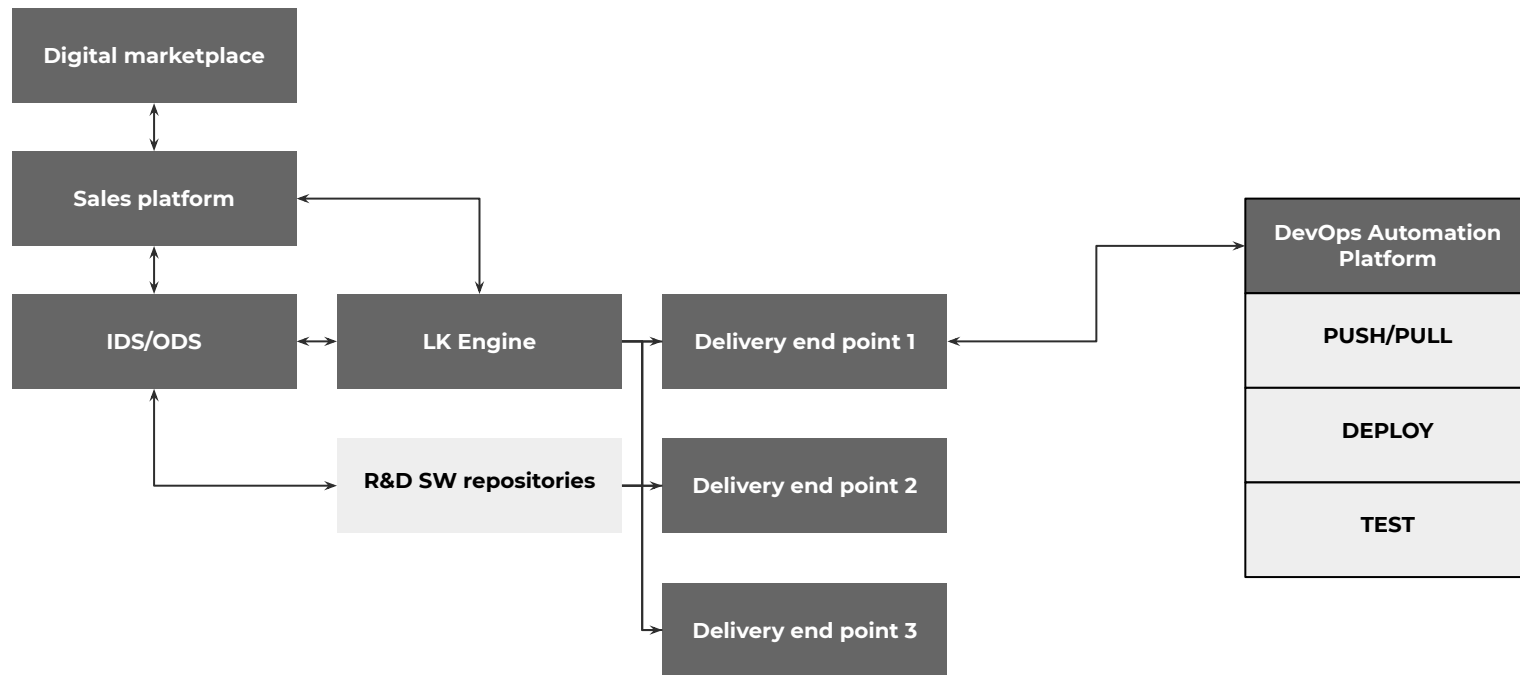
Let's make a pipeline



The obvious red flags



Let's make a pipeline - This time really!



Reap the benefits



Time to deliver

Order fulfillment and time to customer decreased. Sales and supply chain subsystems optimized.



Sustainable quality

Feedback from field and customer is timely, response time decreased.



Accessible for everyone

Specific and generic release bundles can be targeted, different service levels can be introduced.



Further development in the future

No more fire and forget SW delivery.

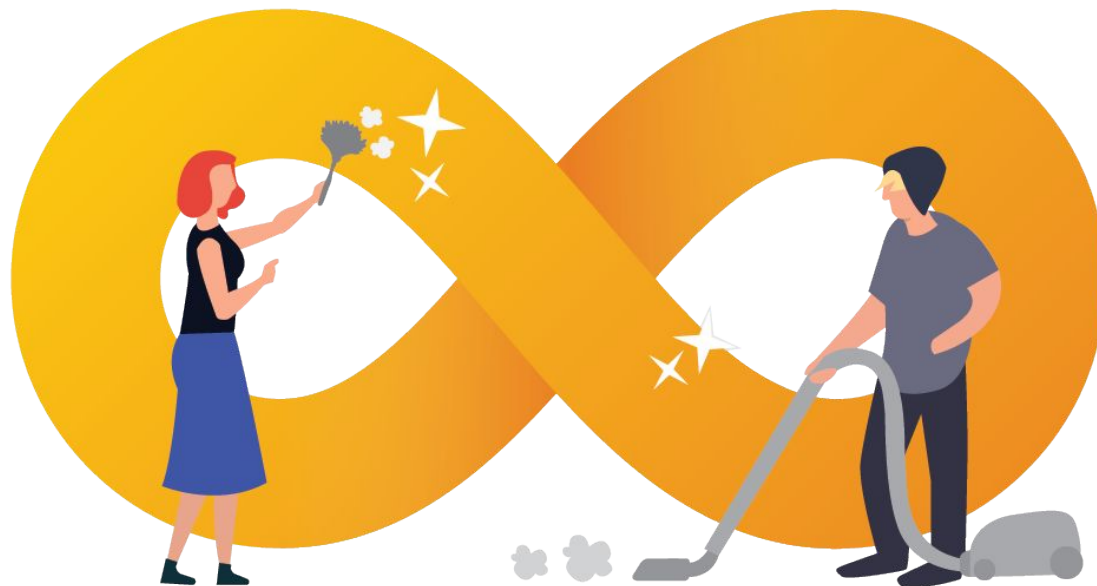
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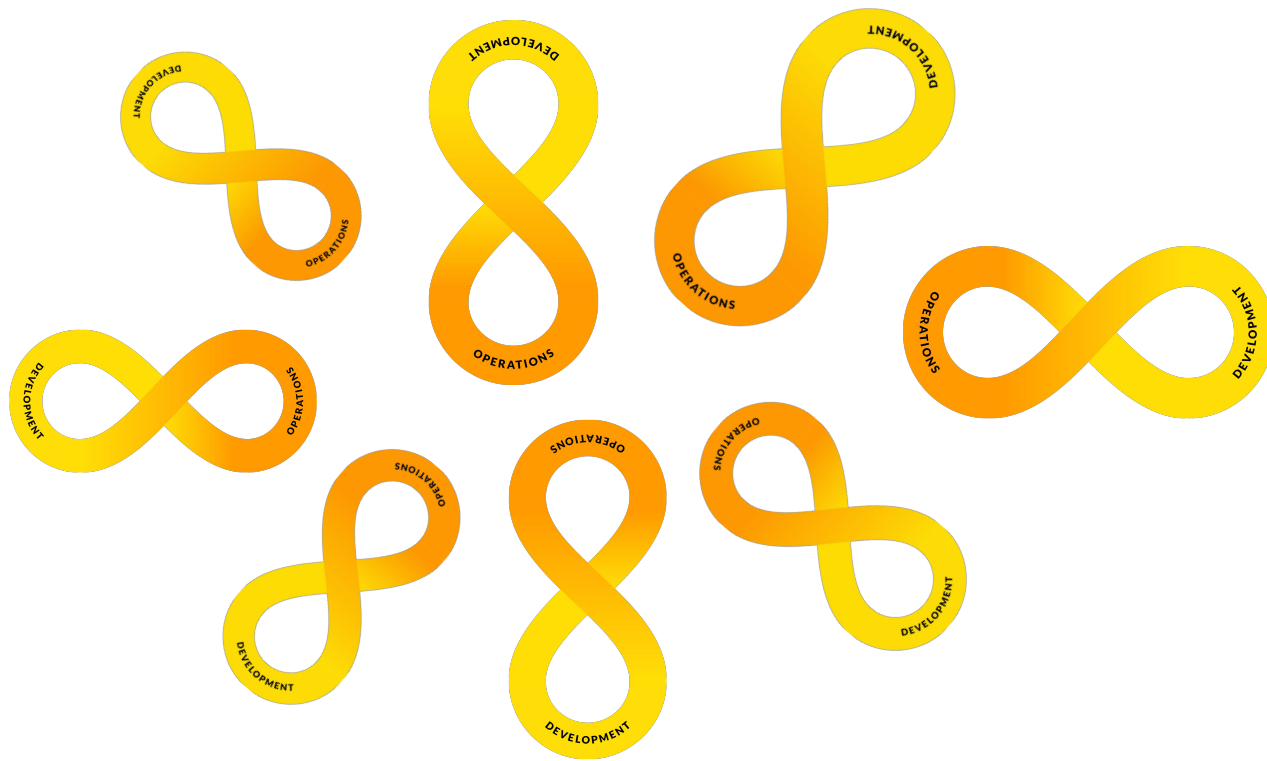
Being on the CSP side



Naivete of the vendor



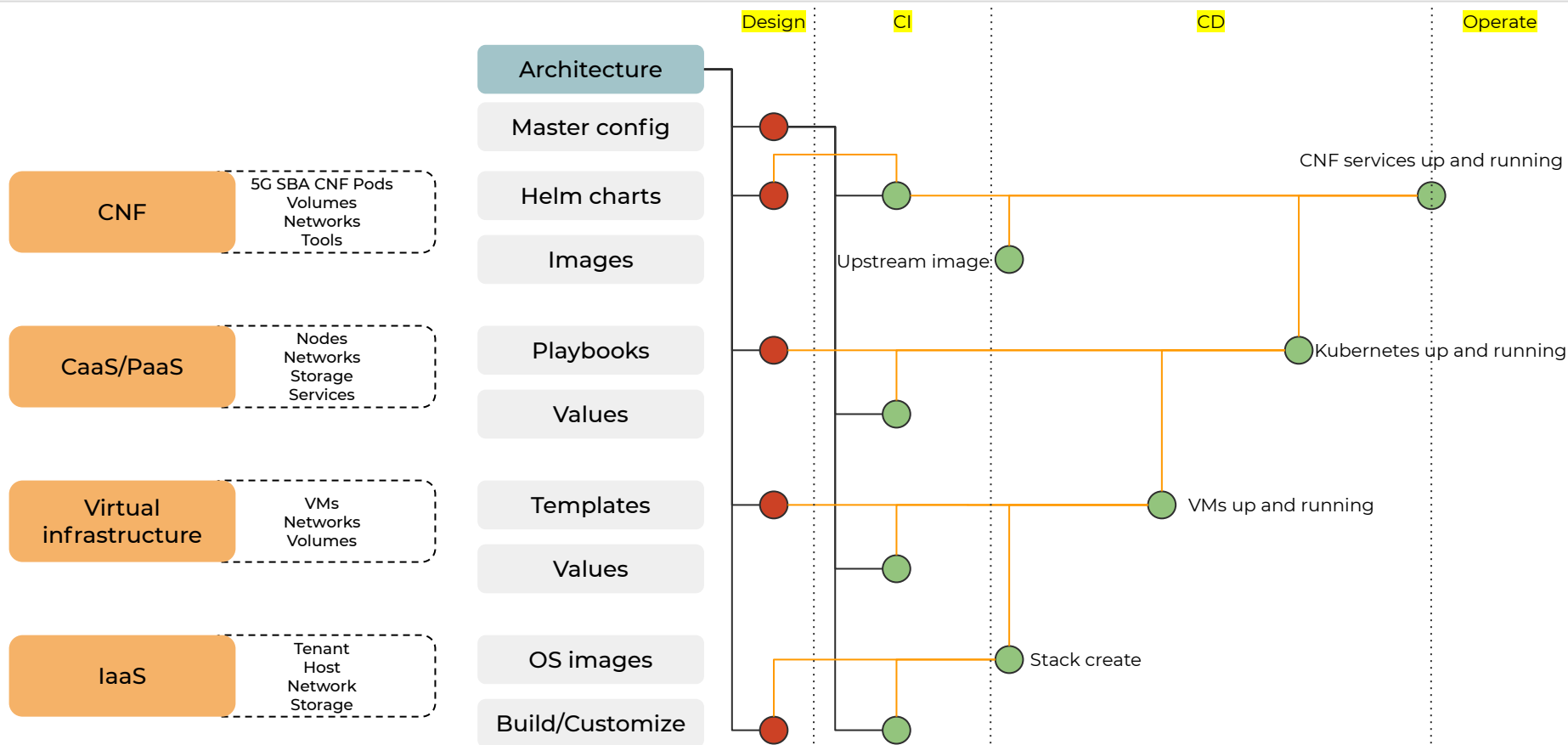
Reality of the CSP



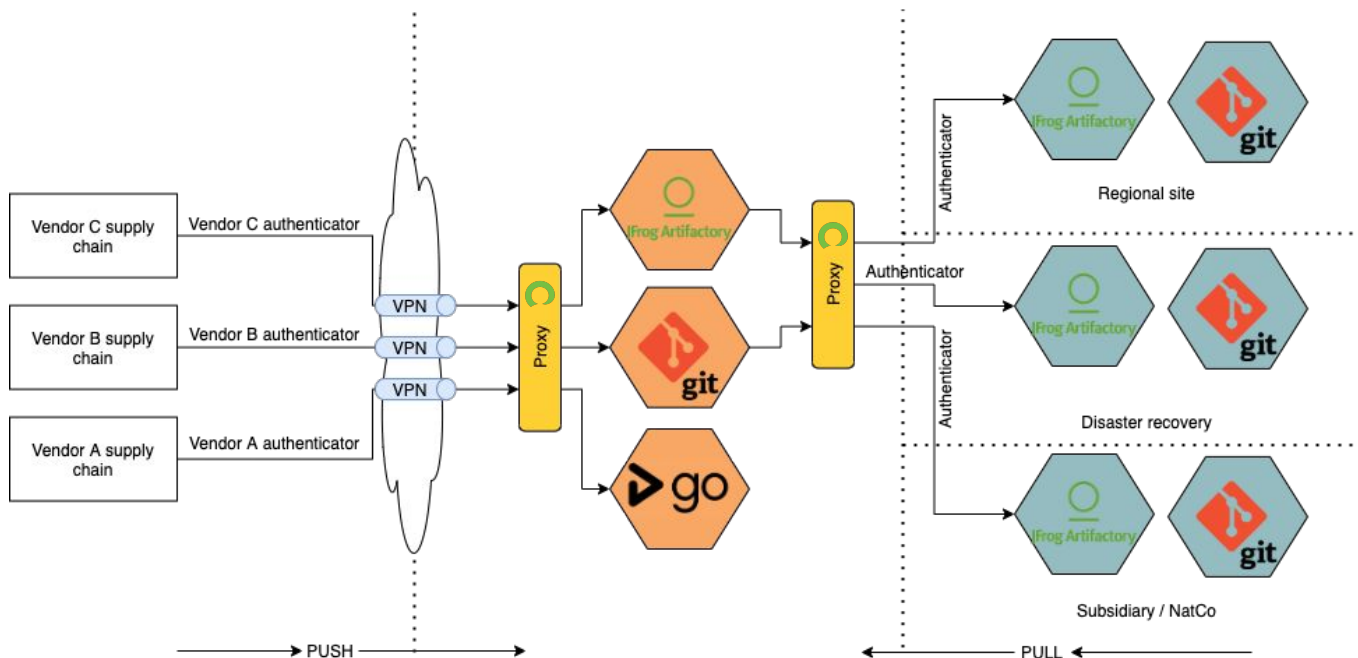
Need of the CSP



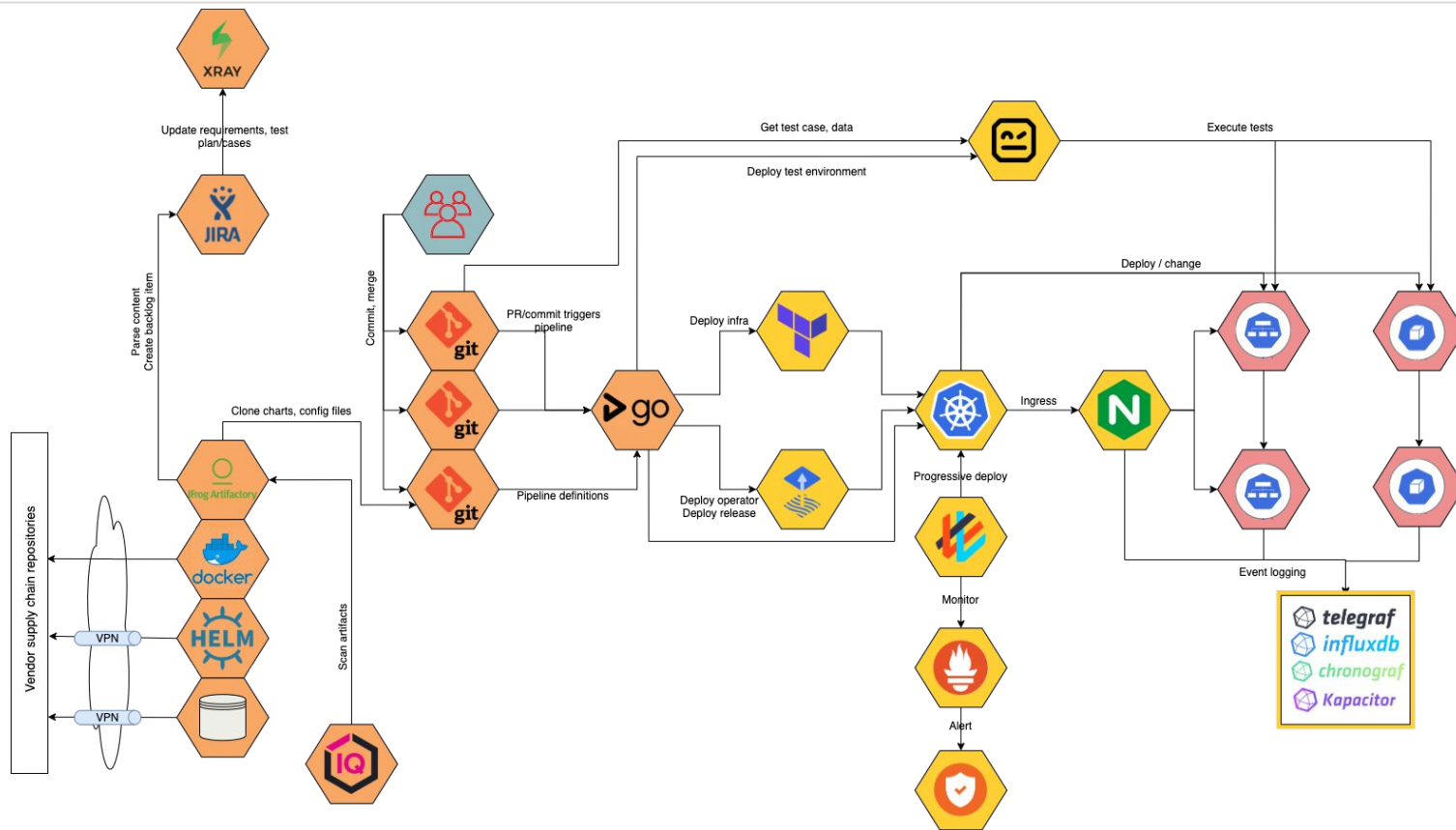
Client case



Supply chain and vendor access management



CD pipeline architecture



Thank you!



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Summary of points

- CI/CD is unavoidable for telecom
- Building a multivendor pipeline is not a trivial effort, but can be done as all puzzle pieces are available
- Handover points, formats and content have to be well designed and agreed
- NOT a singular pipeline, but an ADAPTIVE will serve the ultimate goal of everyone