

>>>network.toCode()

Ask the Architect

NTCU

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>>> Our Intent

Drive the NTC Way

- Organization-wide baseline standards for “the NTC way”
- Skills, Technology and Solutions
- Partnership with the technical community

Enable & Support Professional Services

- Consulting and technical skills development
- Pool of Subject Matter Experts available to help

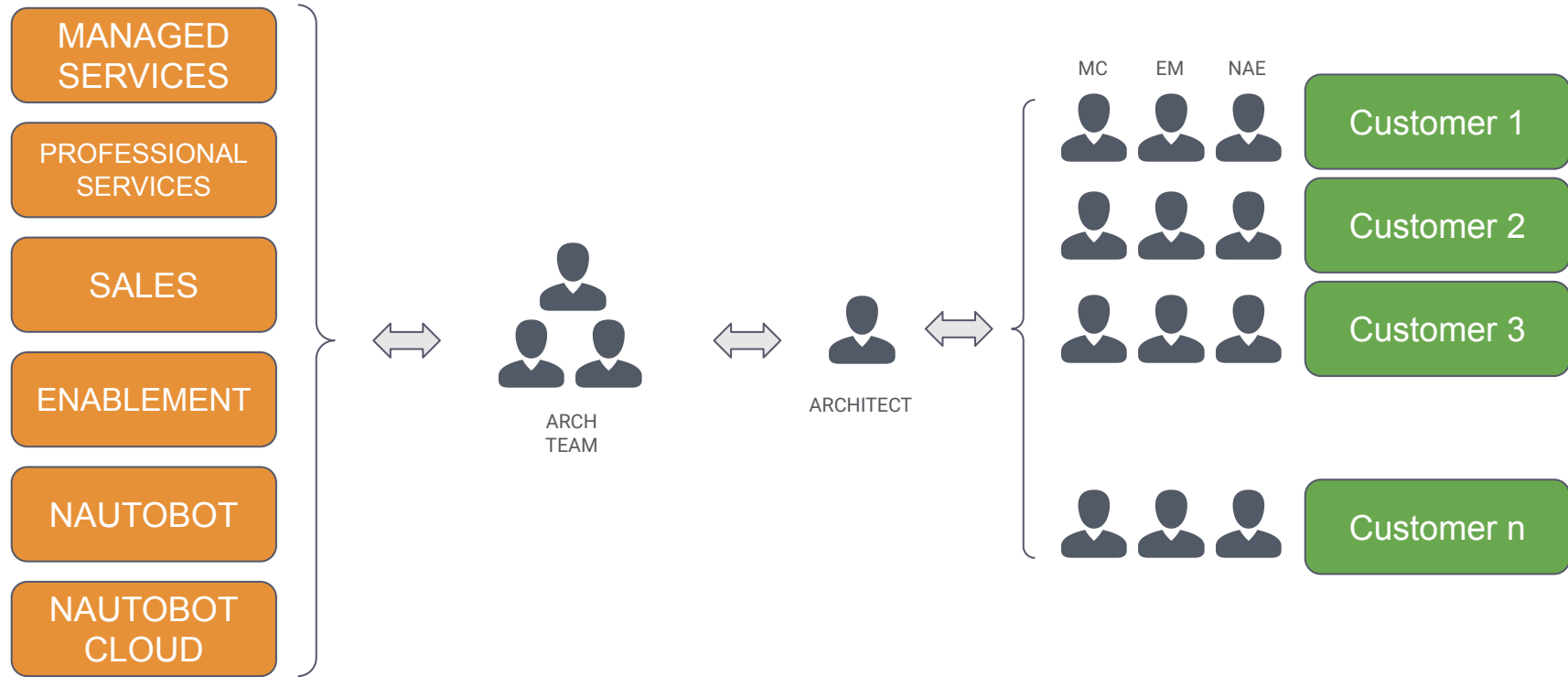
Enable & Support Sales

- Build & maintain technical demos
- Train Solution Architects on all solutions and demos
- Assist in Strategic Pre-Sales calls

Enable NTC open source projects

- Work with Product Owner for strategic projects
- Ensure Technical alignment between projects

>>> Who interacts with the Architecture team?



>>> How should you interact with the architecture team?

- Check for **High Level Design (HLD)** documents done before
 - Disclaimer: not all of them are done by architects, but all of them should have been checked
- Check for **Trainings** developed
 - Workflow Discovery, Data Modeling, Nautobot Deployment, etc.
- In your engagement, let them help you via **communicating clearly** which is your intend (and the rationale behind), and be open for pairing sessions. Do not suffer in silence!
- Join the **#ask-architecture slack** channel and participate on the Architecture **monthly office hours**.
- **Propose improvements** (own it!), nothing is written in stone and it's subject to change.
- Facilitate ideas for **reusability** while balancing customer deliverables.

>>> Show me an example

Everybody is allowed to ask!

Everybody is allowed to answer

Someone from architecture team will provide extra content if considered

There is always room for SMEs to jump in

Stephen Corry 5:59 PM
Hello! For Nautobot HA deployments, for redis sentinel, I have deployed it like this. Does this make sense?
Nautobot Deployment Methods-Active-Active.drawio.png

The diagram illustrates a high-availability (HA) deployment of Nautobot across two sites, Site 1 and Site 2. At the top, a 'Load balancer' is shown with 'active' connections to both sites. Each site contains a stack of services: Nautobot (with a 'Nautobot Worker' sub-component), Redis, Redis Sentinel, and PostgreSQL. The Redis and Redis Sentinel components are connected to a central 'Redis Sentinel' box. The PostgreSQL components are connected to a central 'PostgreSQL' box. At the bottom, a 'Database Cluster' is shown with connections to the PostgreSQL components. The diagram is titled 'Nautobot Deployment Methods-Active-Active.drawio.png'.

Leo Kirchner 6:00 PM
Looks very similar to what we had a GS <https://github.com/networktoencode-llc/cu-grape-nautobot>

Stephen Corry 6:06 PM
excellent, thank you

Christian Adell 7:05 PM
Yes, the 3 sentinel instances are there. I would incorporate the worker beat too
1 reply 1 month ago

Jeremy White 7:21 PM
One thing I would explicitly call out is for this to work as HA it MUST be active/active on the DB cluster.



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Welcome!