# Generating CTI In New Frontiers: An African Case Study.

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# Generating CTI In New Frontiers: Africa Case Study

**We started consuming…now we start cooking and spicing what we consume.**

**Planning and Direction**

- How do you generate **relevant** CTI in an environment where technical competencies, budget, politics and trust want to slow you down and finish you off?

# Lets Go Back…..Where Have We Come From?

- CTI consumption has matured. From getting and processing feeds to a need of generating feeds.
- CTI sharing platforms, frameworks have also matured and improved.
  - BUT ???
- CTI generation is still more focused on honey**…deploy this and get that, and repeat.
  - Do we have Ferraris but lack drivers???
  - Individual honeypot deployment doesn’t scale well on a national level.
    - You cant deploy and manage all honeypots and sensors

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**Planning and Direction**

- Know you constituency and what is important, relevant to them.
  - Public Private partnerships
  - Shared Prosperity
  - OT Needs are different to Telco Need.
  - Threat modelling can help with narrowing down what needs to be collected.

**Collection**

- Use constituencies and deploy relevant sensors.
- Give access to the insights for operational, tactical or strategic use

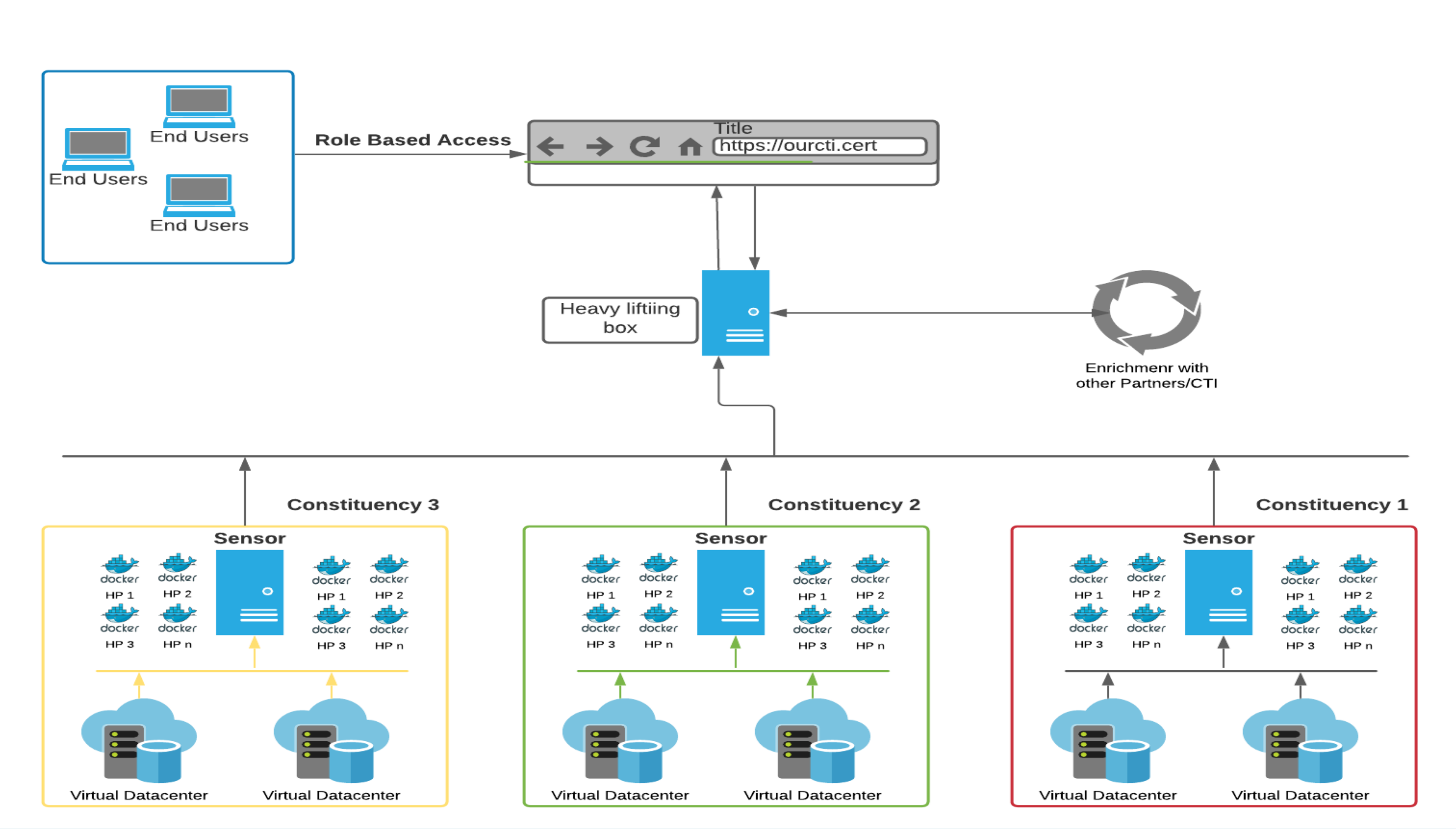
# As a national CERT or similar body…..

- Adopt, refine the multi stakeholder approach as championed by eg ISOC.
  - Go horizontal
    - Public Private partnerships
    - Shared Prosperity
  - Identify your constituency.
    - You cant do this alone, too big a surface
  - Communicate, identify champions.
    - Build trust
  - Foster transparency and gain trust
  - You need to scale efficiently and get visibility.

# As a national CERT or similar

- Reduce or eliminate the learning and management overhead.
  - Create simple manuals to setup sensors, do basic troubleshooting.
  - Avoid burdening constituencies with operational responsibilities.
  - Docker compose files can do magic
- Go affordable and open source.
  - Docker based honeypots…maximize each hardware you have
  - ELK
  - MISP
- Integrate Other CTI feeds to reduce noise or further enrich what you have.
  - No need to reinvent the wheel.
- Finally, share with CTI community using existing tools:
  - MISP

# Final Product



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