

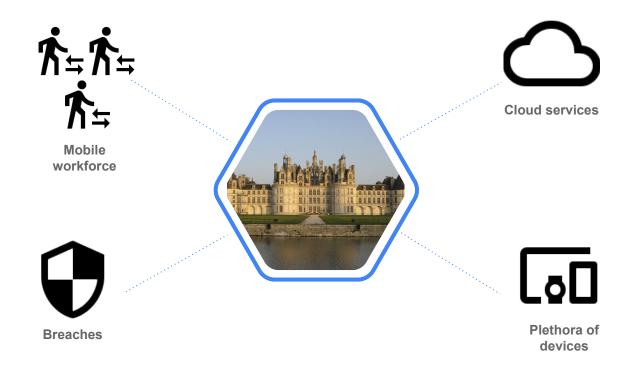
Open Source Software

Freedom, flexibility, low cost, no vendor lock-in, no jumping through monopoly license hoops, byod, local software, hybrid cloud, retire old firewalls, new security model zero trust, corporate access proxy.

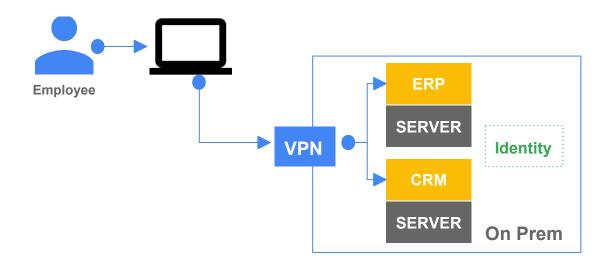
New hybrid cloud model: risks and threats



Four issues that are wrecking the castle approach

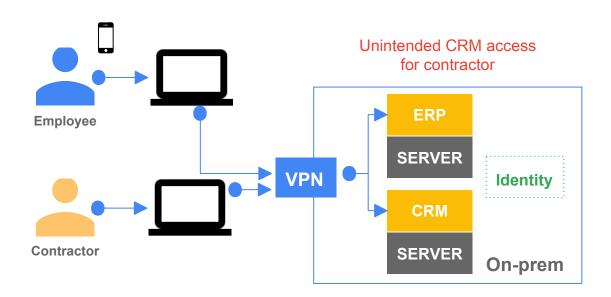


Access yesterday: On-premises walled gardens

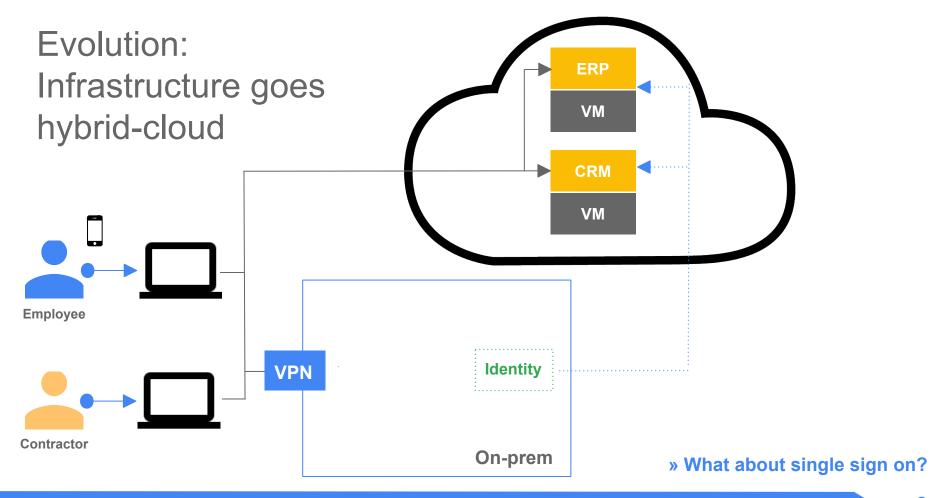


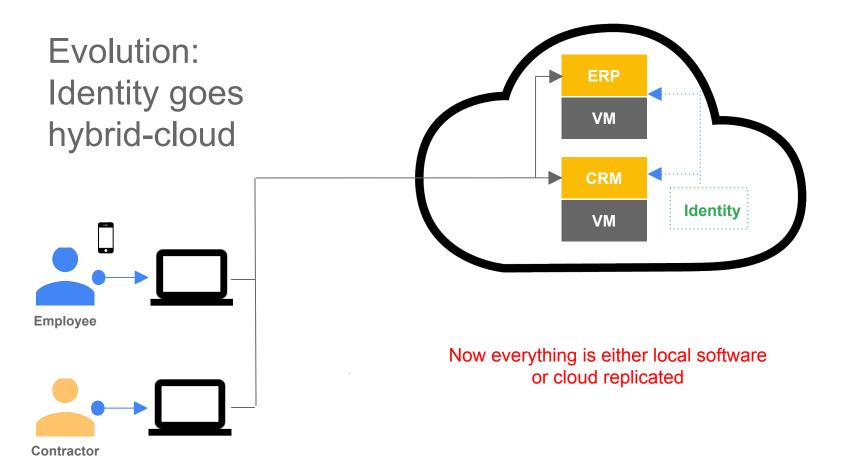
» What about contractors?

Evolution: Not just employees with corporate devices

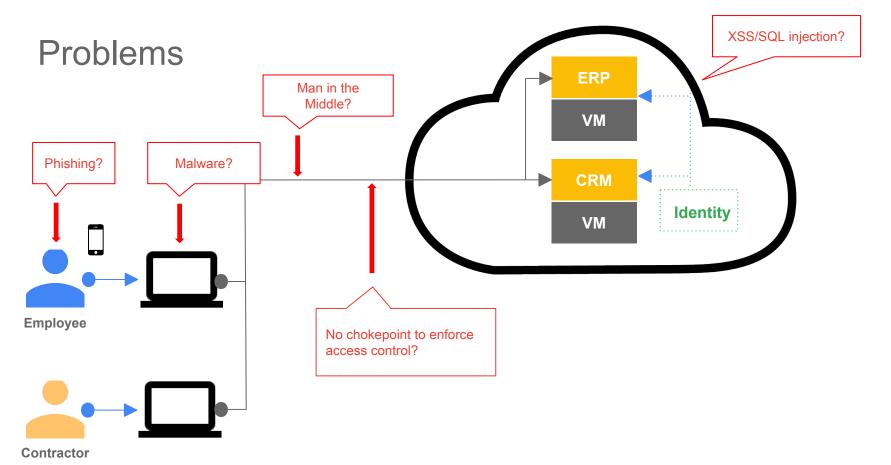


» What about the cloud?



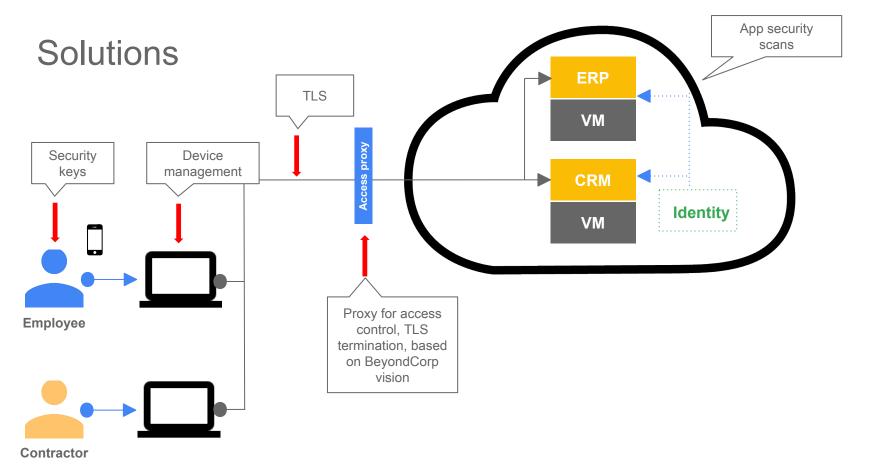


» What threats are there in this new cloud world?



» What should I do?





» So what's the ideal?

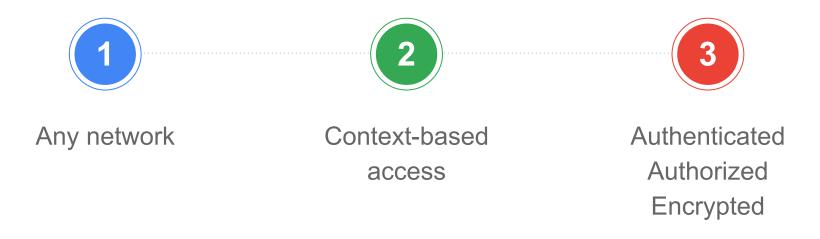
I want my Office application service to be:

- Accessed only by employees
- From well-managed client devices
- In home country
- Using strong user authentication
- And proper transport encryption and
- Hardened against application attacks

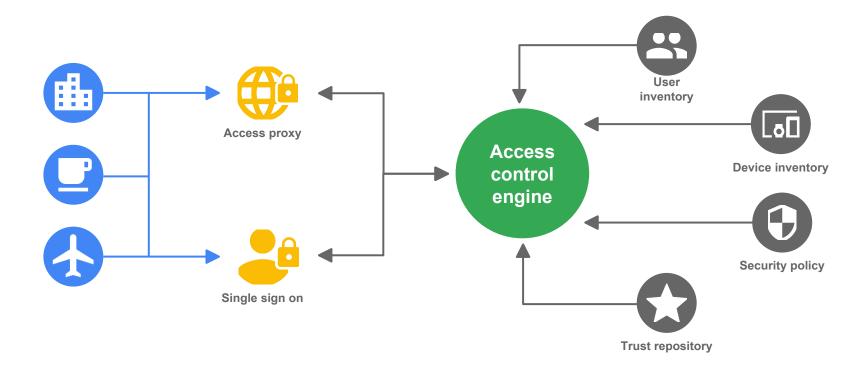


Implementing BeyondCorp

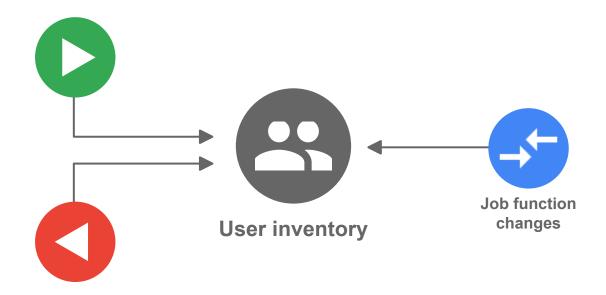
Core principles of BeyondCorp:



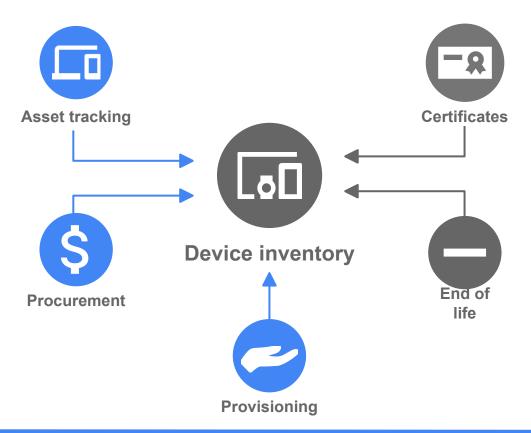
High level



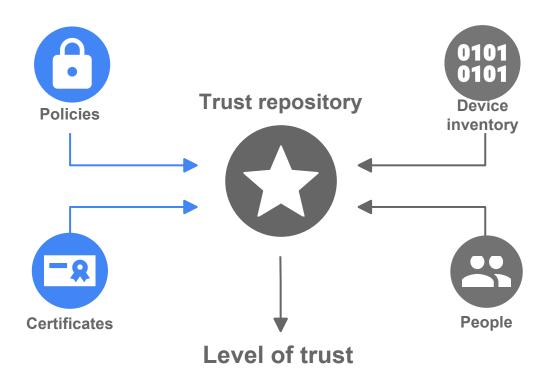
Know your people



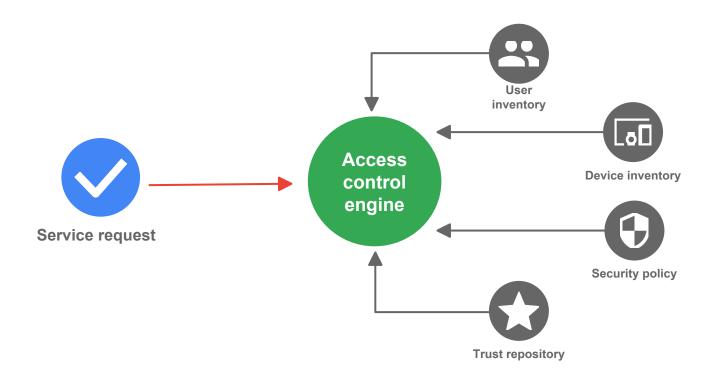
Know your devices



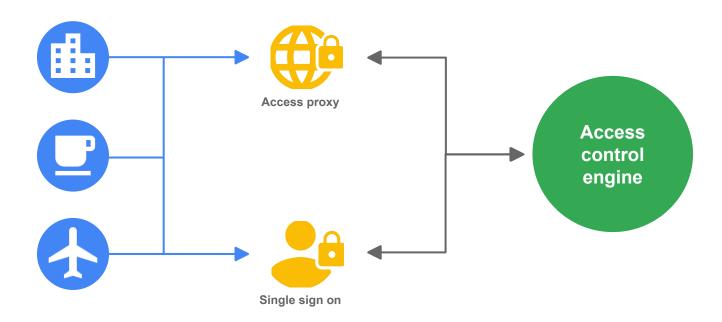
Dynamic trust repository



Access policy



Access from anywhere

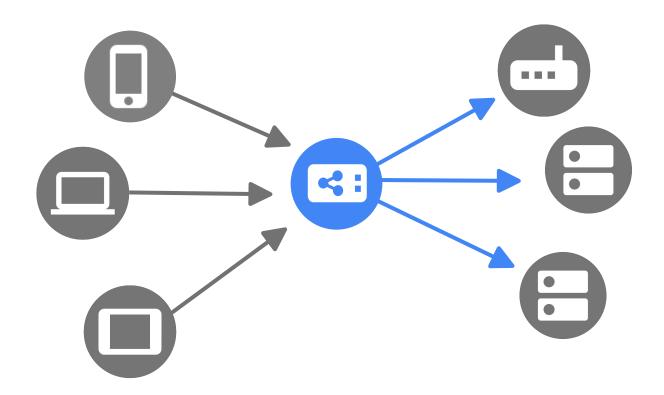




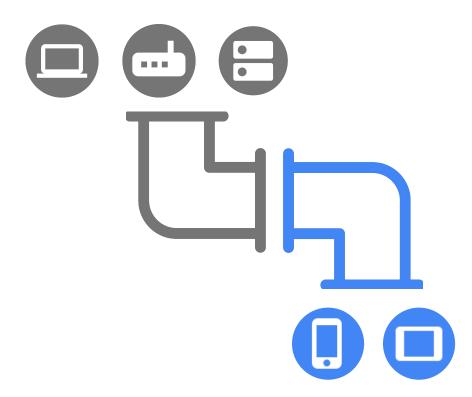
New unprivileged network



Traffic analysis



Safely migrate devices





Better loaners

BeyondCorp Papers

• An overview: A New Approach to Enterprise Security

Front-end infrastructure: The Access Proxy

Migrating to BeyondCorp: Maintaining Productivity
 While Improving Security

The Human Element: The User Experience



Lessons learned: What 7 years taught us about migrating services to the cloud

Lessons learned migrating to hybrid cloud

Get, and retain, executive support

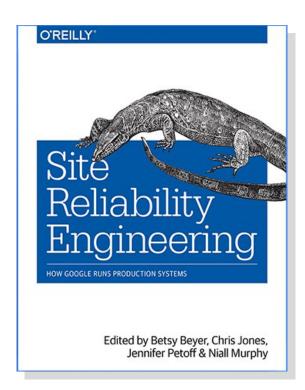
Enable painless migration

Run highly reliable systems



Lessons learned migrating to hybrid cloud

- Get, and retain, executive support
- Enable painless migration
- Run highly reliable systems



Remember:



Have **zero trust** in your network



Base all access
decisions on what you
know about the user
and their device



Migrate carefully so as not to break existing users

