

February 6th-7th

NIE
20/20 VISION

Oslo Spektrum





Assume breach. Notes from the field.



nrc

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60 minutes

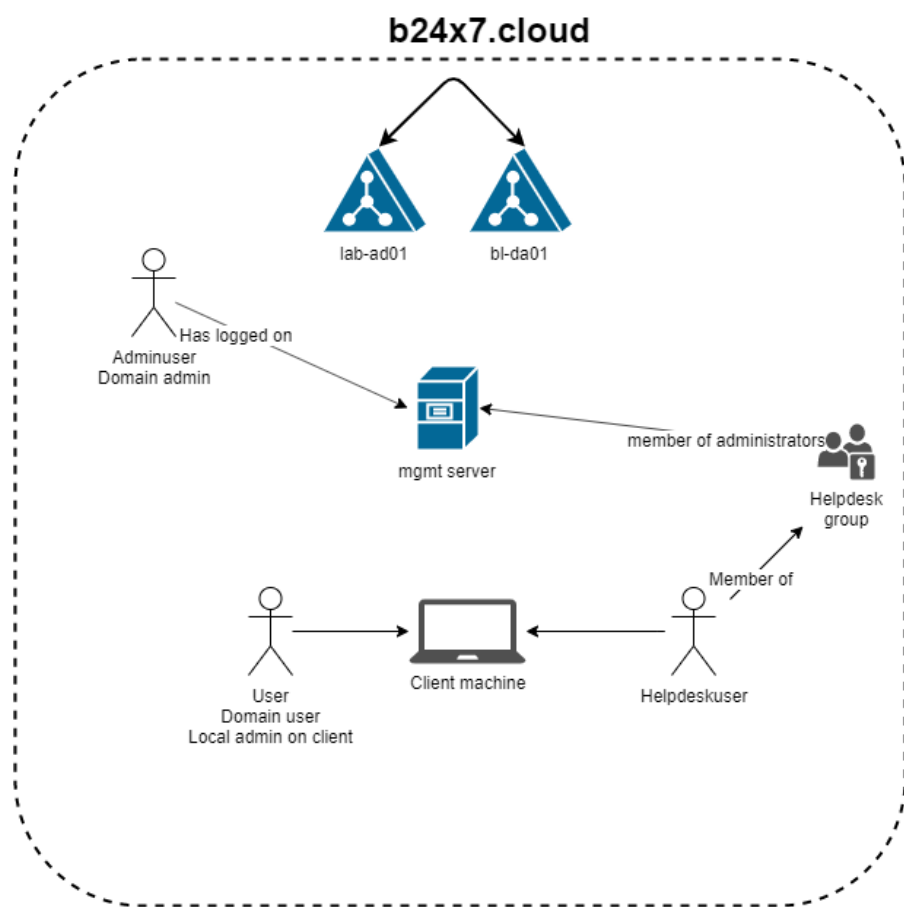
- When the s..t hits the fan, what then?
- Assume breach...
- Spear-phishing. Two attacks in one month

When the s..t hits the fan, what then?

Hopefully, the following is in place

- Azure Sentinel (SIEM. Security Information and Event Management)
 - Forensics (e.g when, where, account/s)
- Business continuity plan. Must include Cyber incident response
- Documentation
- System recovery procedures.
 - Forest recovery
 - Common scenarios recovery
- Already know how high impact you can handle before....

Assume breach...



NIC

I didn't know what to do!

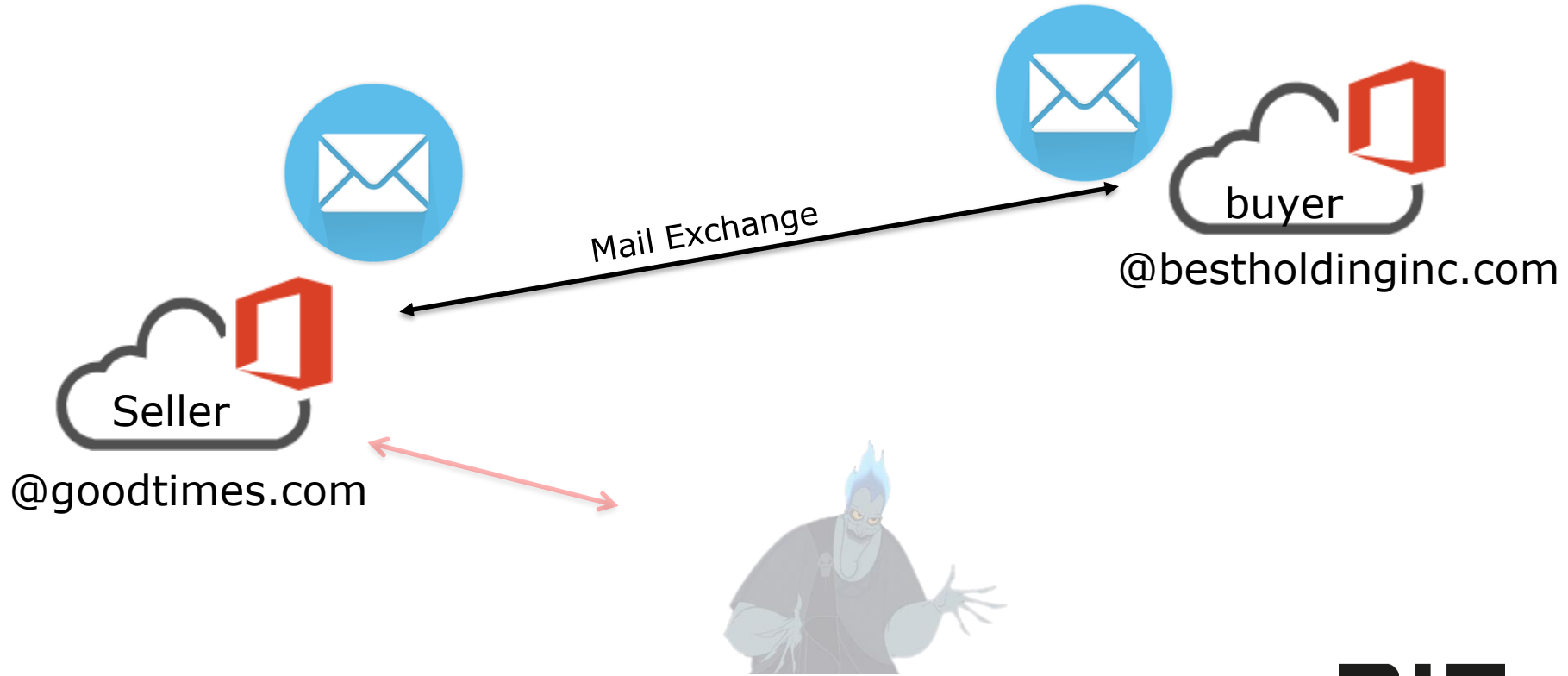
What you should do

- Azure Advanced Threat Detection
- Administrative Tier model.
- Keep members of privileged groups to a minimum
- Delegate permissions.
- Enforce secure workstation
- Store Active Directory backups securely
- Monitor all, both on-prem and off-prem with Azure Sentinel or 3.party solutions
- Force password change on KRBTGT and AZUREADSSOACC at a regular basis
- Do not use synced accounts for privilege use in Office 365
- Implement Multifactor Authentication for access to cloud solutions for admins
- Plausible last resort... Big bitcoin account

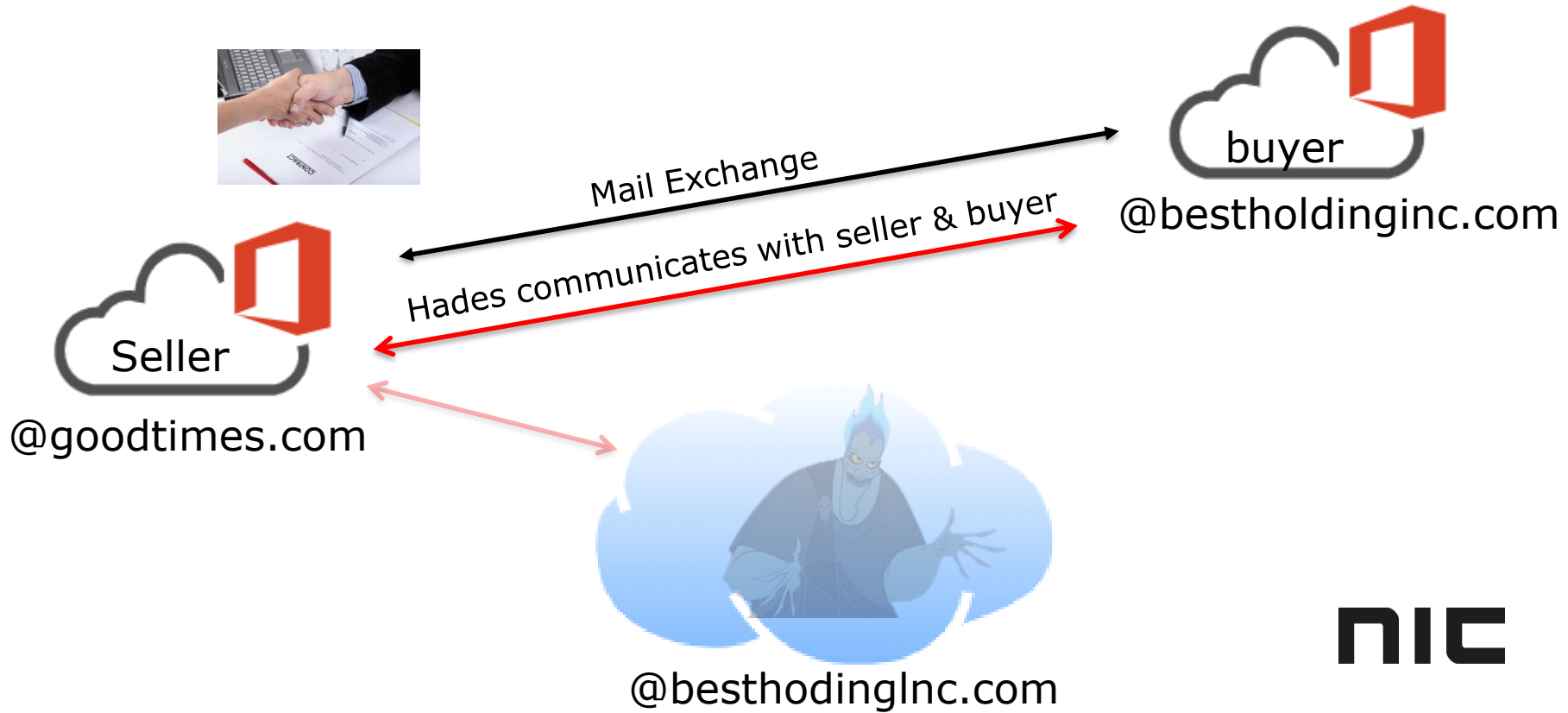
Spear-phishing. Two attacks in one month
That succeeded



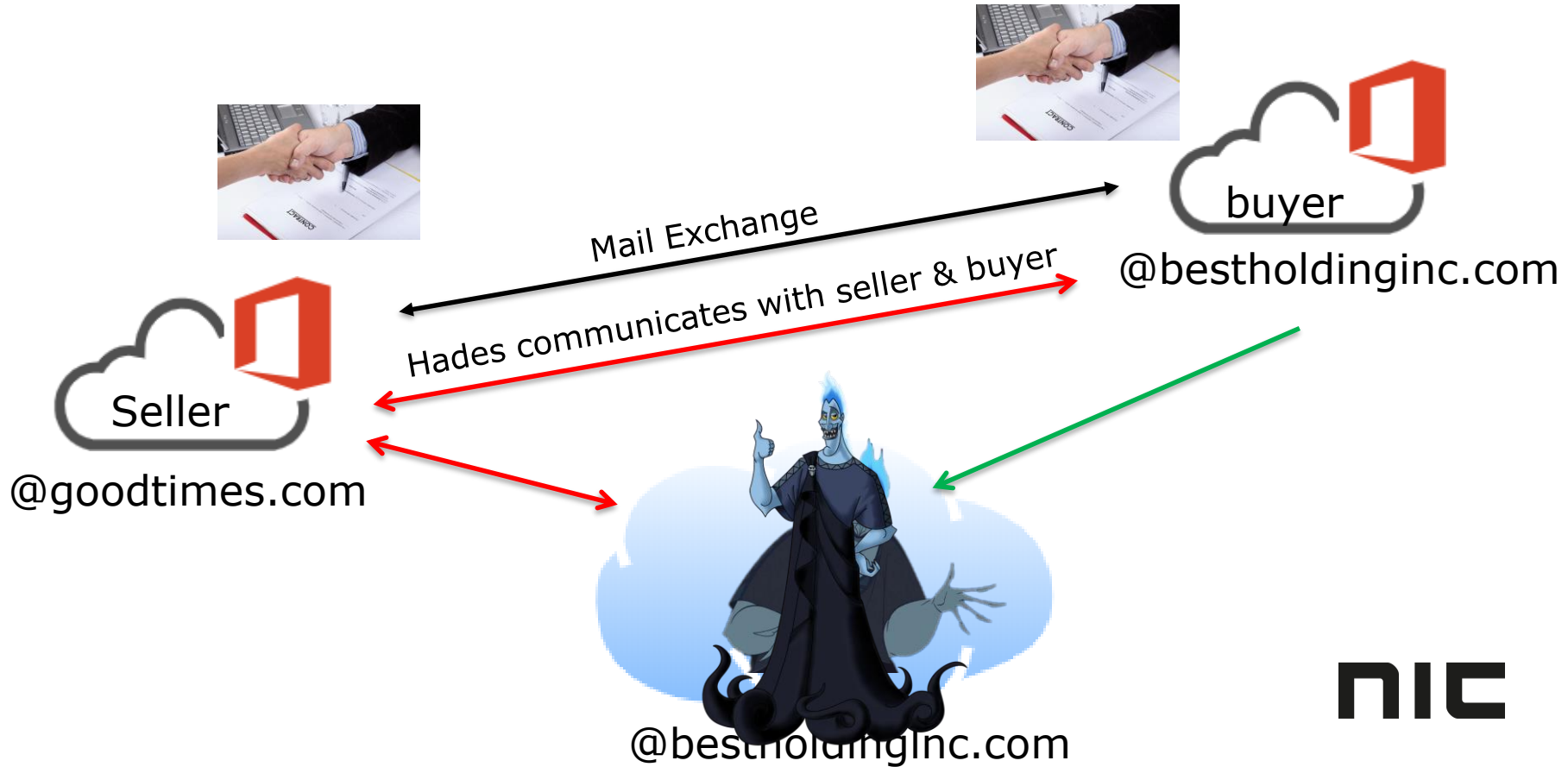
Spear-phishing



Spear-phishing



Spear-phishing



Spear-phishing



I didn't know what to do!

What you should do

- Implement multifactor authentication(MFA)
- Users training / Simulate phishing attacks
 - Company focus on cybersecurity
- Ensure systems and devices are well managed and patched
- Encrypt sensitive company information
- Sender Policy Framework record (SPF)
- Implement Domain-based Message Authentication, Reporting, and Conformance (DMARC)
- DomainKeys Identified Mail (DKIM)

*"My message for companies that think they haven't been attacked is:
You're not looking hard enough."*

- James Snook, Deputy Director, UK Office for Cyber Security

Thanks for attending my session!

Assume breach. Notes from the field.

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Slides and demos from the conference will be available at

<https://github.com/nordicinfrastructureconference/2020>

