



CatNet Core

the [last] year in review



THE UNIVERSITY
OF ARIZONA

What is CatNet

- UA AD DS implementation managed by UITS
- UITS/CTS/OSCR
- Delegated OUs

- Used for authentication for various infrastructure services around campus
- Identity store for O365

Where we came from

- IT Projects and Initiatives Group – CatNet committee
 - UITS Windows Team – world on their shoulders
 - CIO Michelle Norin – governance experiment
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- Bylaws were drafted
 - OU Admins, ISO, UITS Windows Team et alia

Importance of shared governance

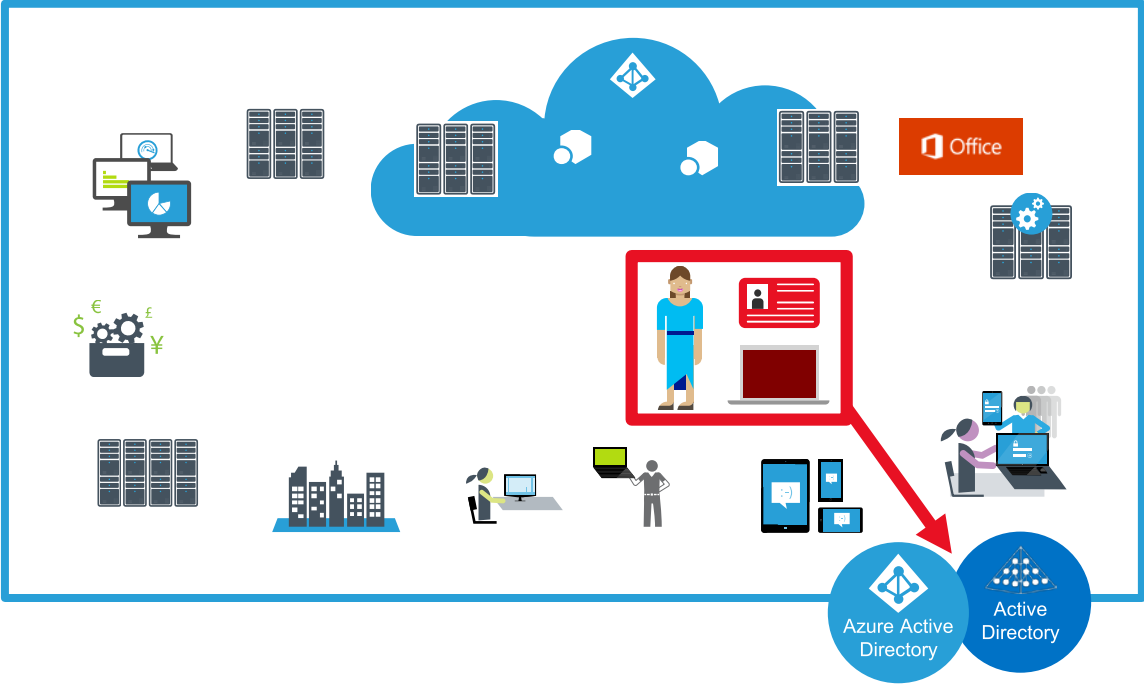
- Challenges
 - Difficulty enforcing policies and procedures
 - Lack of ownership of identity management by a central group
 - UITS Windows Team – world on their shoulders
 - UITS unable to make decisions for the rest of campus for lots of reasons (political mostly but technical as well, and all good reasons)
- Impact and governance need to match scope
- Campus control means a campus voice
- Community requires investment, ownership, and a voice

CatNet Core agenda highlights (including subcommittees)

- Building a community
 - Technical Stewards
 - Course Groups (and even more Grouper)
 - FERPA and CatNet
 - Certification Test
 - Aging - Inactive account removal/email retention
 - Starter GPOs
 - Delegated Admin structure
 - Data Stewards
 - Business continuity
 - Greater innovation through collaboration
- Security
 - ITSM – IT Security Council
 - LAPS
 - BitLocker
 - Two-factor authentication
 - Technical Stewards

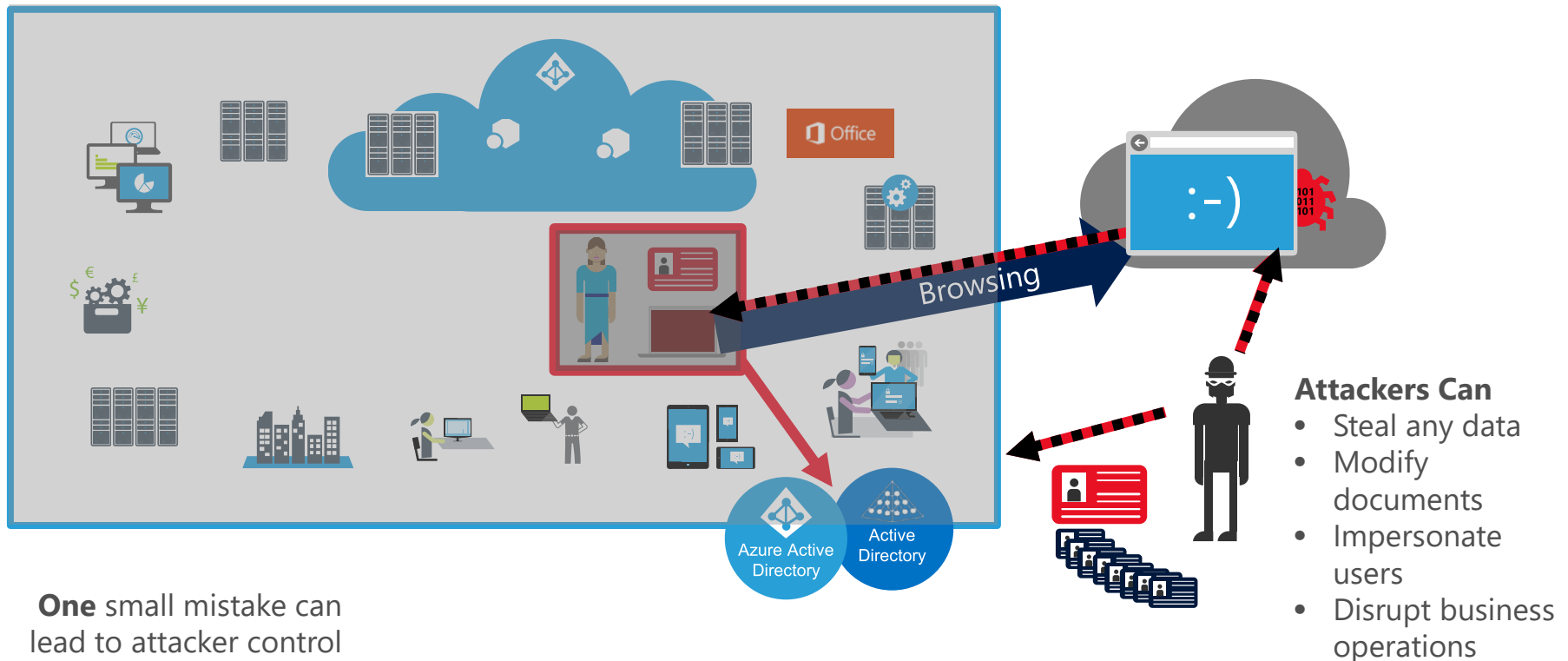
Identity is the new security “perimeter”

Active Directory and Administrators control all the assets



Identity is the new security “perimeter” **under attack**

Active Directory and Administrators control all the assets



CatNet upgrade in progress

"RedCat" and CatNet 2.0

- Significant security upgrades
- Service management enhancements
- Provisioning process improvements
- Documentation improvements
- Training/certification/recertification

CatNet upgrade in progress

"RedCat" and CatNet 2.0

- Significant security upgrades
 - Foundational pivot to reflect new threat environment as well as new culture to respond
 - Credential theft mitigation
 - Lateral traversal mitigation
 - Preventing elevation of access from breached credentials
 - Compartmentalization reduces impact of a breach

CatNet upgrade in progress

"RedCat" and CatNet 2.0

- Significant security upgrades
- Service management enhancements
 - Needing to do more with the same
 - OMS
 - System Center central offering
 - Inventory
 - Auditing/reporting
 - Patch management
 - Cloud ready
 - Existing Azure or other tenants will be able to leverage UITS tenant as well as CatNet as an auth vehicle for college/department use cases.

CatNet upgrade in progress

"RedCat" and CatNet 2.0

- Significant security upgrades
- Service management enhancements
- Provisioning process improvements
 - ITSMs need better insight into their RCU
 - Existing EAST APL workflow
 - Aligning timeline with ESM team
 - We are going to be one of the first successes of the ESM implementation

CatNet upgrade in progress

"RedCat" and CatNet 2.0

- Significant security upgrades
- Service management enhancements
- Provisioning process improvements
- Documentation improvements
 - Delivery of extensive documentation of the RedCat/BlueCat systems
 - Beyond deliverable above, documentation as a living entity built on experiential knowledge of the institution that grows as we do
 - Documentation subcommittee is permanent

CatNet upgrade in progress

"RedCat" and CatNet 2.0

- Significant security upgrades
- Service management enhancements
- Provisioning process improvements
- Documentation improvements
- Training/certification/recertification
 - Ties everything above together
 - A cycle of brainstorming/analysis/implementation/training/repeat

CatNet Core - More

- catnet-core@list.arizona.edu
- confluence page is open to all UA IT professionals
- Meetings are the 1st and 3rd Friday of each month, next agenda and location is on confluence and meetings are open invite to IT professionals
- UITS 116 is our typical home but we've been evicted for nonpayment of rent in the past