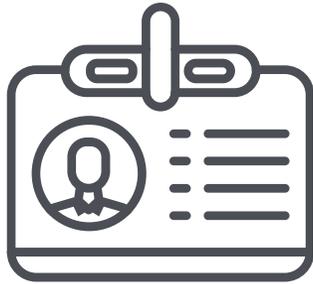


# BUILDING A MODERN IAM SOLUTION FOR EDUCATION

Don DaRe

# WHAT WE DO



**IDENTITY & ACCESS  
MANAGEMENT**



**CYBERSECURITY**



**CLOUD SERVICES**

**SALES, SERVICES, AND SUPPORT**

# CLOUD SERVICES

## DYNAMIC AND SCALABLE SERVICES AND RESOURCES

- Consulting and Support
- Migrations
- Identity as a Service
- Security and Compliance
- Hosting
- Backup and Disaster Recovery



### MICROSOFT AZURE

- IaaS
- PaaS
- Azure AD
- Hosting and Disaster Recovery



### OFFICE 365

- Migration
- Backup and Disaster Recovery
- Security and Compliance



### G-SUITE

- Migration
- Backup and Disaster Recovery
- Security and Compliance



# IDENTITY AND ACCESS MANAGEMENT

## IDENTITY POWERED SECURITY

- Top Tier Partnerships with Multiple Vendors
- Expert Level Architects and Engineers
- Experience in many verticals
- Strategy, Roadmaps, Product Selection, Architecture and Design



### IDENTITY MANAGEMENT

- User Lifecycle Automation
- User Self-Service
- Workflow/Approvals
- Roles and Resources

### ACCESS MANAGEMENT

- User Authentication & Authorization
- Multi-Factor Authentication
- Privileged Access Management
- Single Sign-On/Federation

### GOVERNANCE

- Access Governance
- Data Governance

ANALYTICS,  
REPORTING,  
MONITORING

# CYBERSECURITY

## BALANCE USER CONVENIENCE WITH REDUCED ORGANIZATIONAL RISK

- Multi-Layered approach for small business to large enterprise
- Top Tier Partnerships with Multiple Vendors
- Identity Centered Approach



### MULTI-LAYERED PROTECTION

- Full Email Security
- End Point Management
- Network and Application Security
- Security Information and Event Management
- End User Training and Awareness



### IDENTITY & ACCESS MANAGEMENT

- Identity Management
- User Life-Cycle Management
- Access Management
- Single Sign-On
- Access Governance
- Data Governance



# TODAYS TOPICS - Identity and Access Management

- What is a modern IAM Solution?
  - Features?
- Why do I need a modern IAM Solution?
  - Application explosion
- How do I implement a IAM Solution
  - Identity as a Service
  - Integrate solutions

# HISTORY OF IDENTITY MANAGEMENT



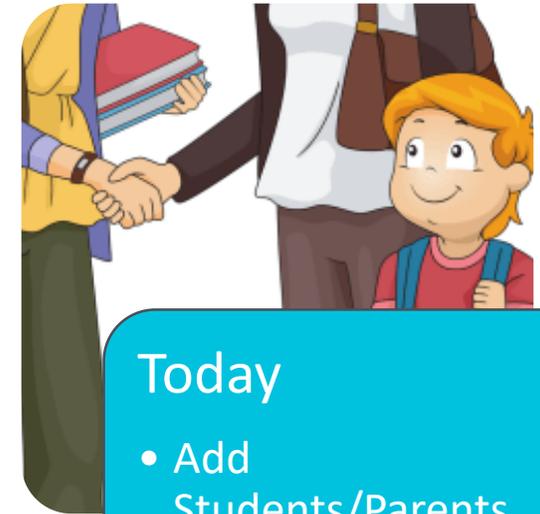
## 1990's

- Back for End IT
- Batch Create Users
- ~1000 Users
- 2-3 Applications



## 2000's

- Add Employees / Staff 1000's of Users
- 4-5 Internal Applications
- Workflows



## Today

- Add Students/Parents
- Add Devices
- 20+ Internal and Cloud Applications
- Identity as a Service



# MODERN IAM FEATURES

**AUTOMATED  
LIFECYCLE  
MANAGEMENT**



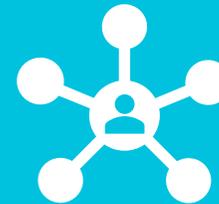
**PASSWORD  
MANAGEMENT**



**COMPREHENSIVE  
GOVERNANCE**



**SECURE  
SINGLE SIGN-ON**



**ADAPTIVE MULTI  
FACTORED  
AUTHENTICATION**



**PRIVILEGED  
ACCESS  
MANAGEMENT**

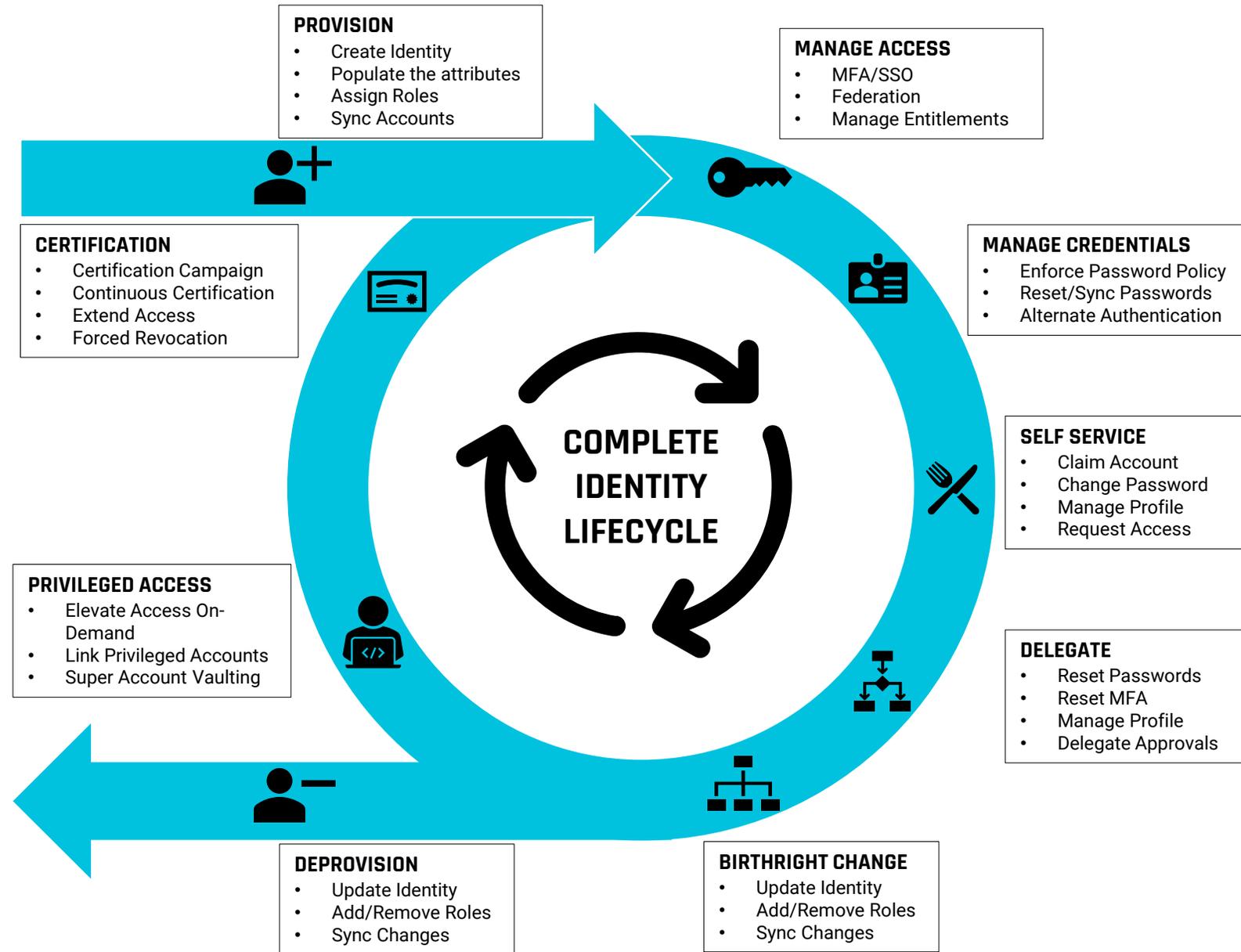


**IDENTITY GOVERNANCE & ADMINISTRATION**

**ACCESS MANAGEMENT**

# AUTOMATED LIFECYCLE MANAGEMENT

- Provisioning of Users
  - Basic Information: id,first,last,grade,grad year, building/location
- Identity Automation, NetIQ, Microsoft ILM,Okta offer complete solutions
- Next Gen Features
  - Account Sponsorship
  - Account Claiming



# PASSWORD MANAGEMENT

- Often offered as separate purchase
- Azure AD Premium, Open Source PWM, NetIQ SSPR, Identity Automation, One Login
- **Usually tied to self-service/delegation hub**
- **Account Sponsorship usually flows through the same portal**



← don.dare@concensus.com

Enter password

.....

[Forgot my password](#)

Sign in

This login is for Concensus Technologies employees only.



Username

Continue

[Forgot Password](#)

## Self Service Password Reset



Change Password

Change your current password.



People Search

Lookup contact information for your colleagues.



Setup Security Questions

Security questions and answers allow you to recover a forgotten password.



Update Profile

Update your user profile data.

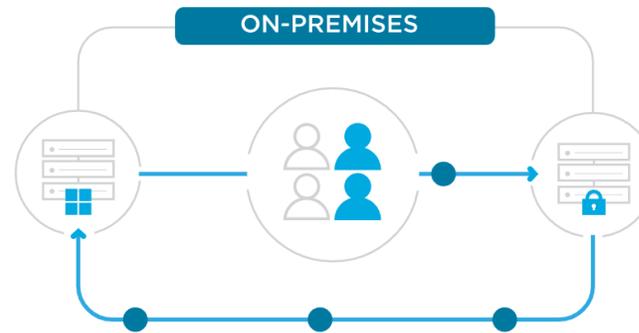


My Account

Information about your password and password policies.

# ACCESS MANAGEMENT

- Gartner leaders are IaaS vendors
- Access Management products may create users but they DO NOT manage the lifecycle well.
- Onelogin, Okta, Azure, G-Suite, Clever SSO,
- Identity Automation, NetIQ have hosted Single Tenant Solutions



## IN THE BEGINNING

- On-Premises
- Highly Complex and Built for Large Enterprises
- Expensive

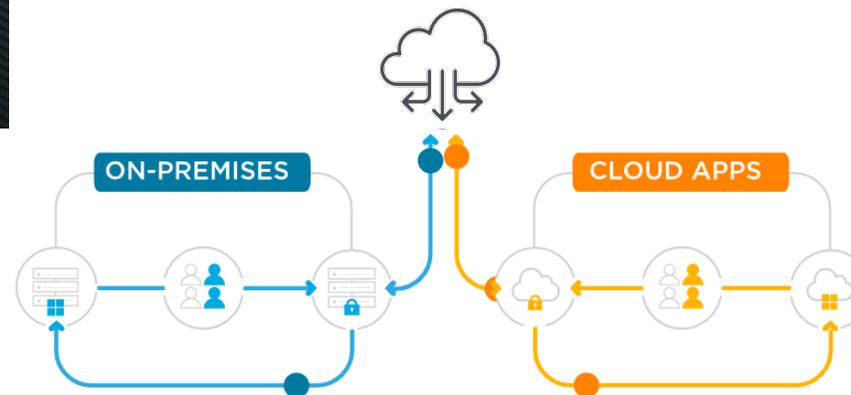
## ENTER THE CLOUD

- Very fast adoption led to very fragmented solutions
- Managed by application and not all user friendly
- Still Expensive



## UNIFICATION BY CLOUD VENDORS

- Very fast adoption led to very fragmented solutions
- Managed by application and not all user friendly
- Still Expensive



# SECURE SINGLE SIGN-ON

- Federation, SAML, CAS, Shibboleth
- Simple Provisioning to Applications
- Azure AD, NetIQ Access Manager, Onelogin, G-Suite, Clever

- Mobile Single Sign-On
- Application Portal
- Highly Integrated with Multi-Factor authentication
- Risked Based Authentication
- Internal and External Support
- Support Social Identities?



**IMPLEMENT MFA**

**NOW!!**

# NOTES

- <https://solutionsreview.com/identity-management/top-14-iam-vendors-to-watch-in-2019/>
- [www.identityautomation.com](http://www.identityautomation.com) (Concensus Partner)
- [www.netiq.com](http://www.netiq.com) (Concensus Partner)
- [www.onelogin.com](http://www.onelogin.com) (Concensus Partner)
- [www.azure.com](http://www.azure.com) (Concensus Partner)
- [www.clever.com](http://www.clever.com)
- [www.duo.com](http://www.duo.com) (Concensus Partner)

# QUESTIONS

- [Sales@concensus.com](mailto:Sales@concensus.com)
- [www.concensus.com/events](http://www.concensus.com/events)

# THANK YOU