BCNET

Shared IT Services for Higher Education & Research

Conference 2018

Shift into the future with predictions for Identity & Access Management

BCNET Identity & Access Management Community of Practice

Panelists:

Corey Scholefield
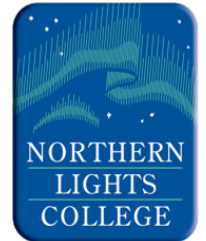
Vera Merkusheva

Isabel Wong

Sabrina da Silva

Institutional ERP snapshot

Banner Schools

Colleague Schools

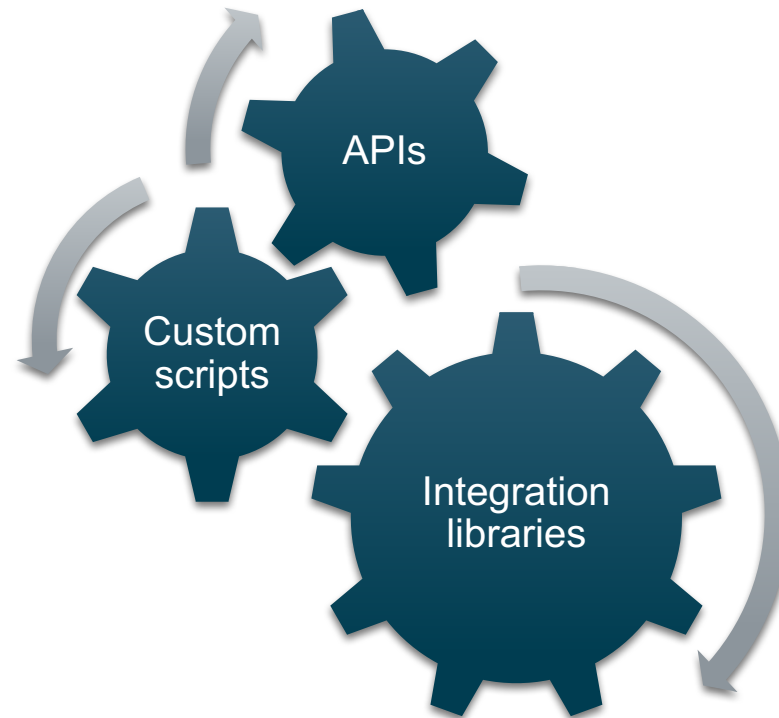# Institutional ERP snapshot

| UNIT4 Finance | PeopleSoft | Custom Solution |

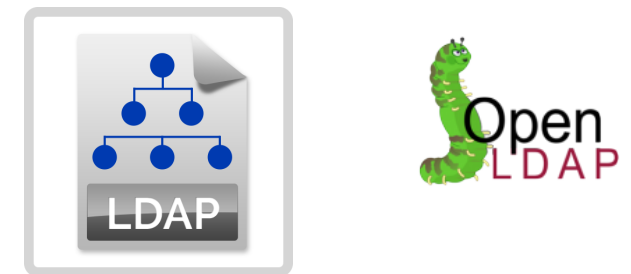# Identity & Access Mgmt. Solutions

Vendor IDAM Solutions
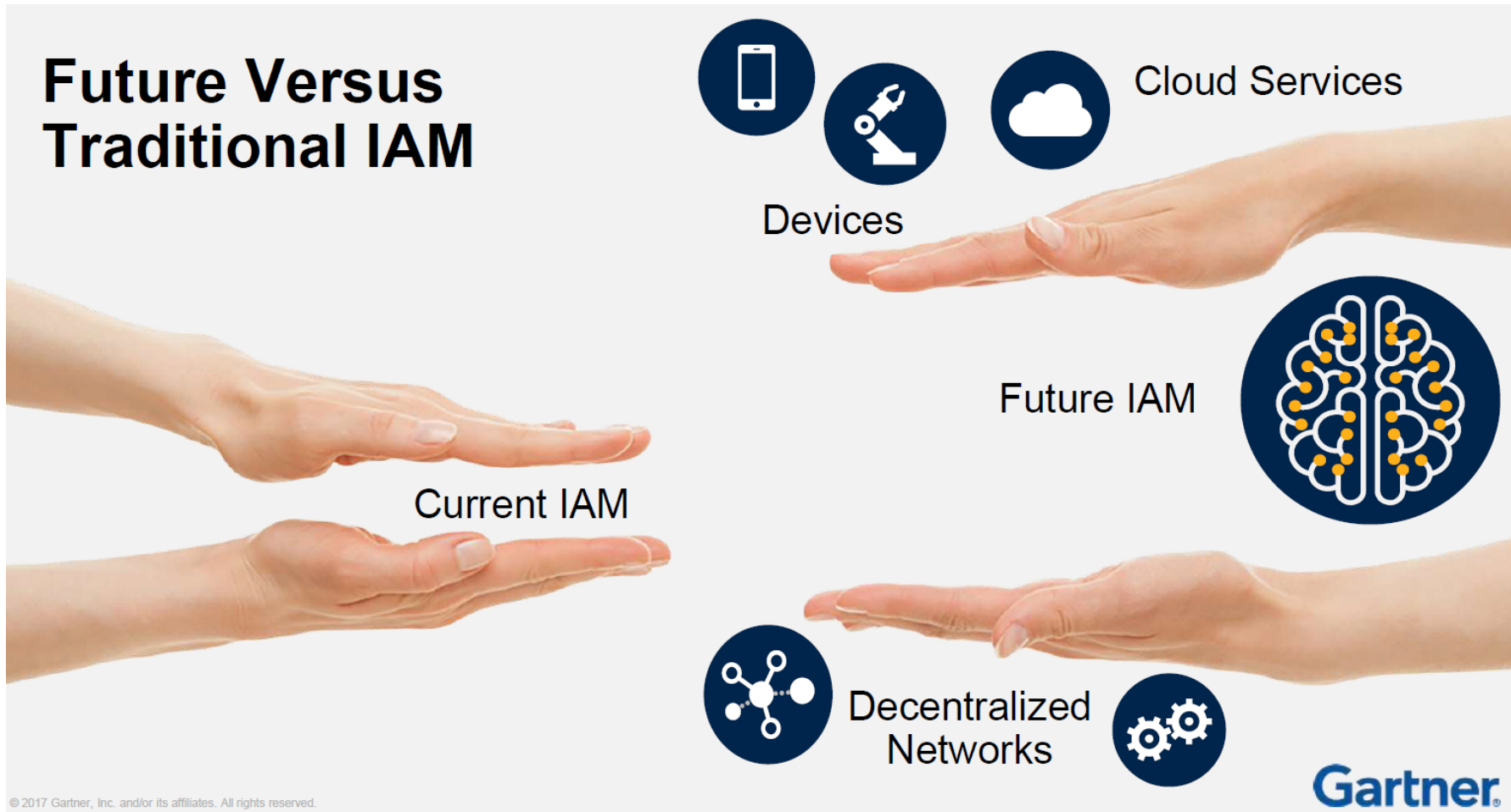

Open-source Solutions

Microsoft Solutions

LDAP Directory

APIs

Custom scripts

Integration libraries

Future Versus Traditional IAM

Devices

Cloud Services

Future IAM

Current IAM

Decentralized Networks

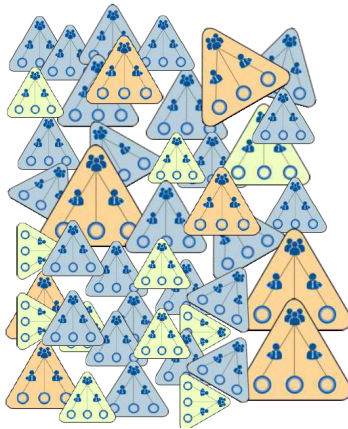Gartner.

Prediction #1 – Access Management Software or Services

By 2019, **more than 80% of organizations will use access management software or services,** up from 55% today.

Do You Need an IAM Program?

- Basic problem is the proliferation of account repositories
- Audit and compliance issues related to account management
- Organizational appetite for investment to address access-related risks

IAM Impact

Low   Medium   High

Gartner.

TRU – Identity Mgmt. Support
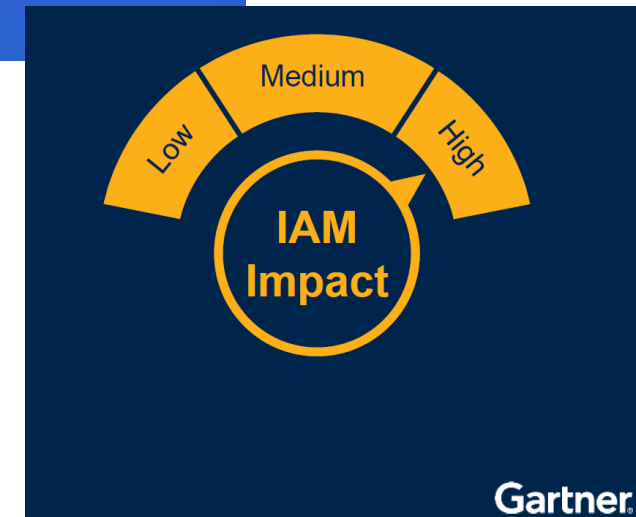
- Thompson Rivers University Identity Management solution

  - ❖ IDM is largely manual

  - ❖ Authoritative Sources for Identities: Banner ERP

  - ❖ Some access managed through AD groups

  - ❖ Semi-automated account life cycle triggered by events in Banner, such as student registration, employee hire/termination, etc.

  - ❖ Automated account provisioning/deprovisioning for a very few systems

  - ❖ Single set of credentials for the most systems achieved through Single-Sign-On and Same-Sign-On

THOMPSON RIVERS UNIVERSITY

TRU – Identity Mgmt. Support

- CAS / Shibboleth SSO implementation
  - ❖ Ellucian Ethos Identity (CAS, WS-Federation)
    - ❖ Banner 8 Applications
    - ❖ Banner 9 Applications
    - ❖ FAST reporting
    - ❖ SharePoint
    - ❖ eBallot voting (SAAS)
  - ❖ Shibboleth
    - ❖ Linda.com
    - ❖ BCNET Wiki
    - ❖ DreamSpark

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Langara - Identity Mgmt. Support

- 2010 to 2018

  - Identity System of Record: ERP - Banner

  - IDM : NetIQ project – started deployment in 2010, finished in 2012

  - Business Drivers:

    - Consolidate multiple ID's into single ID

    - Automate account life cycle management based on Banner employment and student registration activities

    - Automate provisioning of network drives for employees and students

Langara - Identity Mgmt. Support

- CAS / Shibboleth SSO implementation

  CAS:
  - Home grown IDM account status tool

  ADFS/Shib:
  - Lynda.com
  - UPASS
  - FluidSurvey
  - SurveyMonkey
  - Simplicity Advocate
  - AWS for student course work
  - Email Archive
  - eScribe
  - RightAnswer KCS
  - ..and all future cloud applications
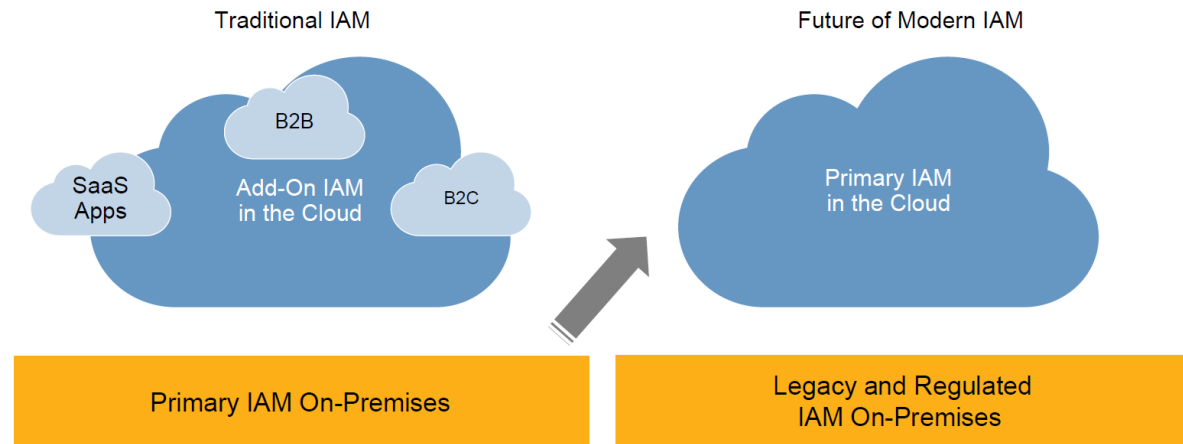
  Azure AD:
  - O365
  - Dynamics 354 (CRM for IE, coming)

Prediction #2 – IDaaS Access Management Delivery Model

By 2021, **IDaaS will be the majority access management delivery model for new purchases**, up from less than 20% today.

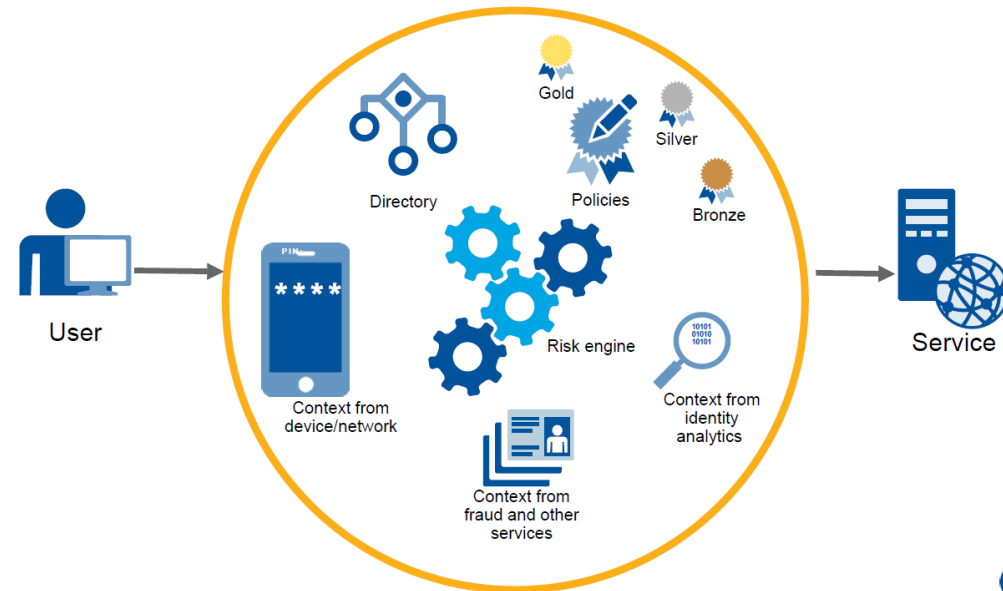**The Role of On-Premises IAM and IAM in the Cloud**

Prediction #3 – Replace Manual Access Certification Requests

By 2018, analytics, machine learning and policies will replace more than 50% of manual access certification and request approval tasks, up from less than 2%.
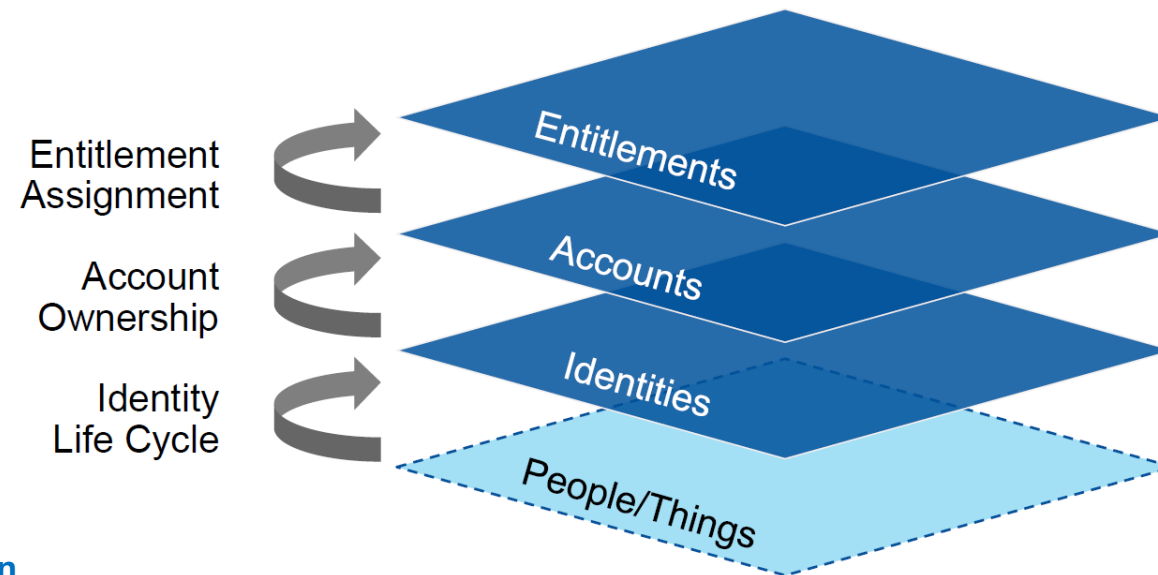
Prediction #4 – Data Access Governance

By 2020, 50% of enterprises with IGA deployments will have invested in data access governance for tighter data access control, up from <10% today. **IGA Planes of Control**

Entitlement Assignment → Entitlements

Account Ownership → Accounts

Identity Life Cycle → Identities

People/Things

IGA – Identity Governance and Administration

Gartner

View Identity Corey Scholefield

| Attributes | Entitlements | **Application Accounts** | Policy | History | Risk | Activity | User Rights | Events |

Application Accounts

Application	Instance	Account Name	Status
AD ⌄		coreys	Active
Banner ⌄		V00110271	Active
Banner Access - HR ⌄	COREYS	COREYS	Active
Banner Access - SYSTEMS ⌄	COREYS	COREYS	Active
Banner Student ⌄		V00110271	Active
Coursespaces ⌄		coreys	Active
FAST Access - Finance ⌃	COREYS	COREYS	Active

Details for Application Account COREYS

MODULE	Finance
ROLE	ALLUSERS_FASTWEBREQ WEBREQ_USER
SCHEMA	FASTWEBREQ
SPRIDEN_ID	V00110271
STATUS	OPEN
USER_ID	COREYS

Application	Instance	Account Name	Status
LDAP ⌄		coreys	Active
Nu-Netlink ⌄		coreys	Active
SRS ⌄		V00110271	Active
SharePoint Root ⌄		Corey Scholefield	Active

Forecast #1 - Reasons for replacing existing IAM solutions

70% technology environment has changed and the incumbent solution doesn't address our requirements

39% save money by getting a less expensive deal from other vendors

2% unhappy with current solution/vendor

Forecast #2 - New modules in 2017 to 2018

33%
Privilege Account Management

37%
Identity Governance & Administration

42%
Aplication Program Interface Gateway
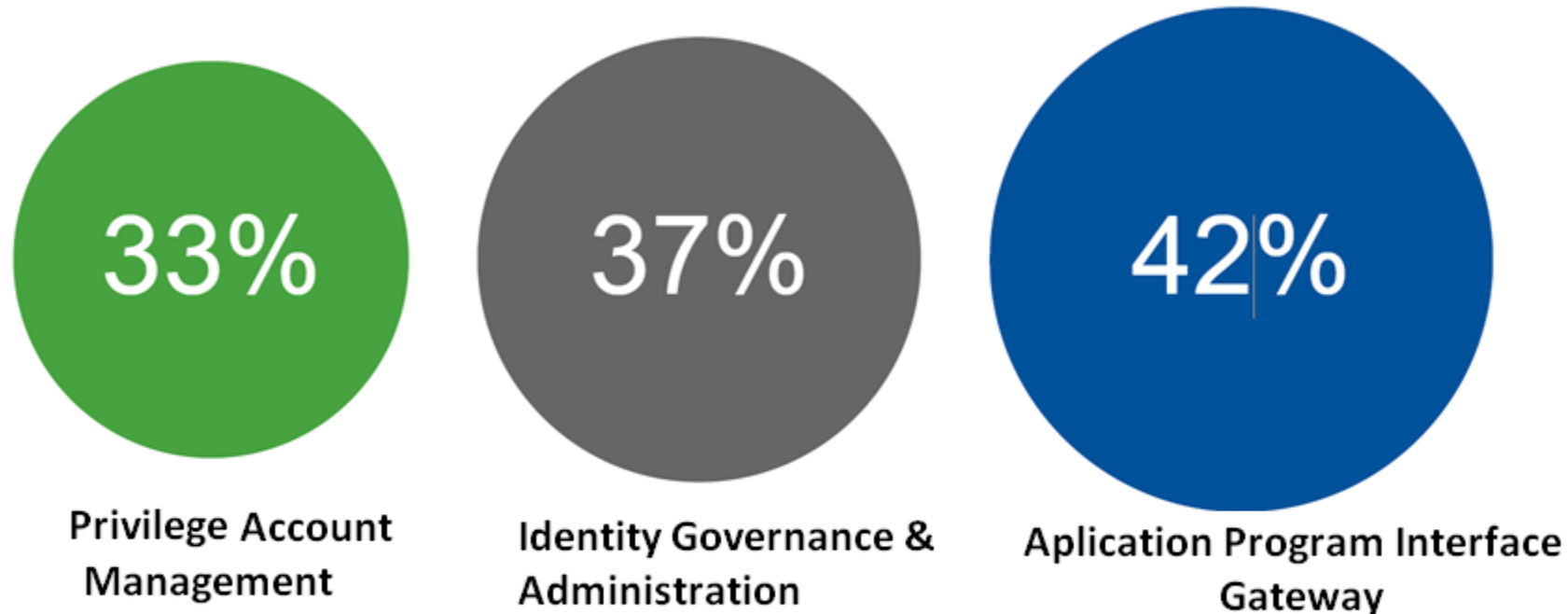
Gartner.

Questions?

- **Corey Scholefield** coreys@uvic.ca

- **Vera Merkusheva** vmerkusheva@tru.ca

- **Isabel Wong** iwong@langara.ca

- **Sabrina da Silva** sabrina_da_silva@sfu.ca