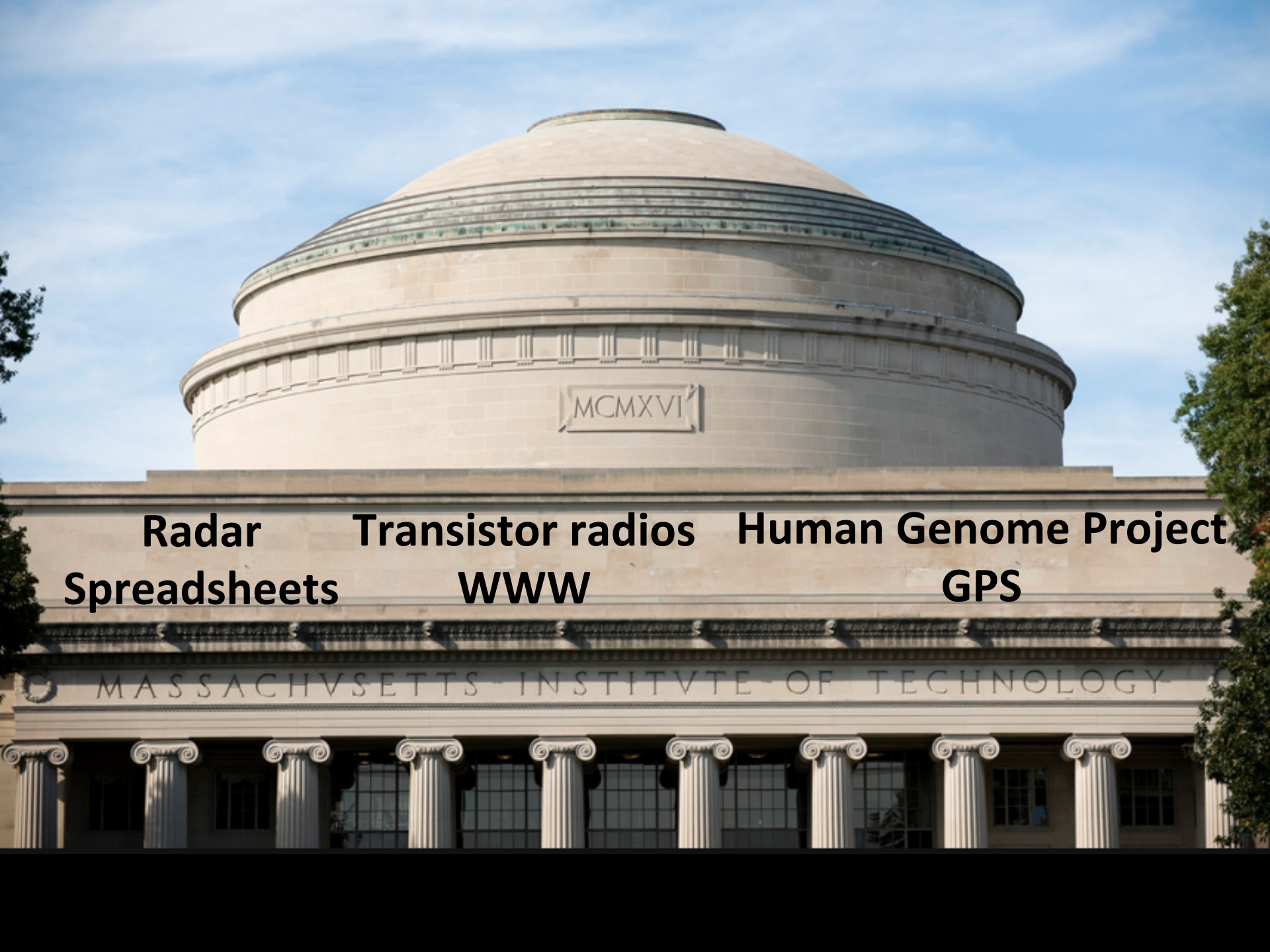




Governance, Risk and Compliance

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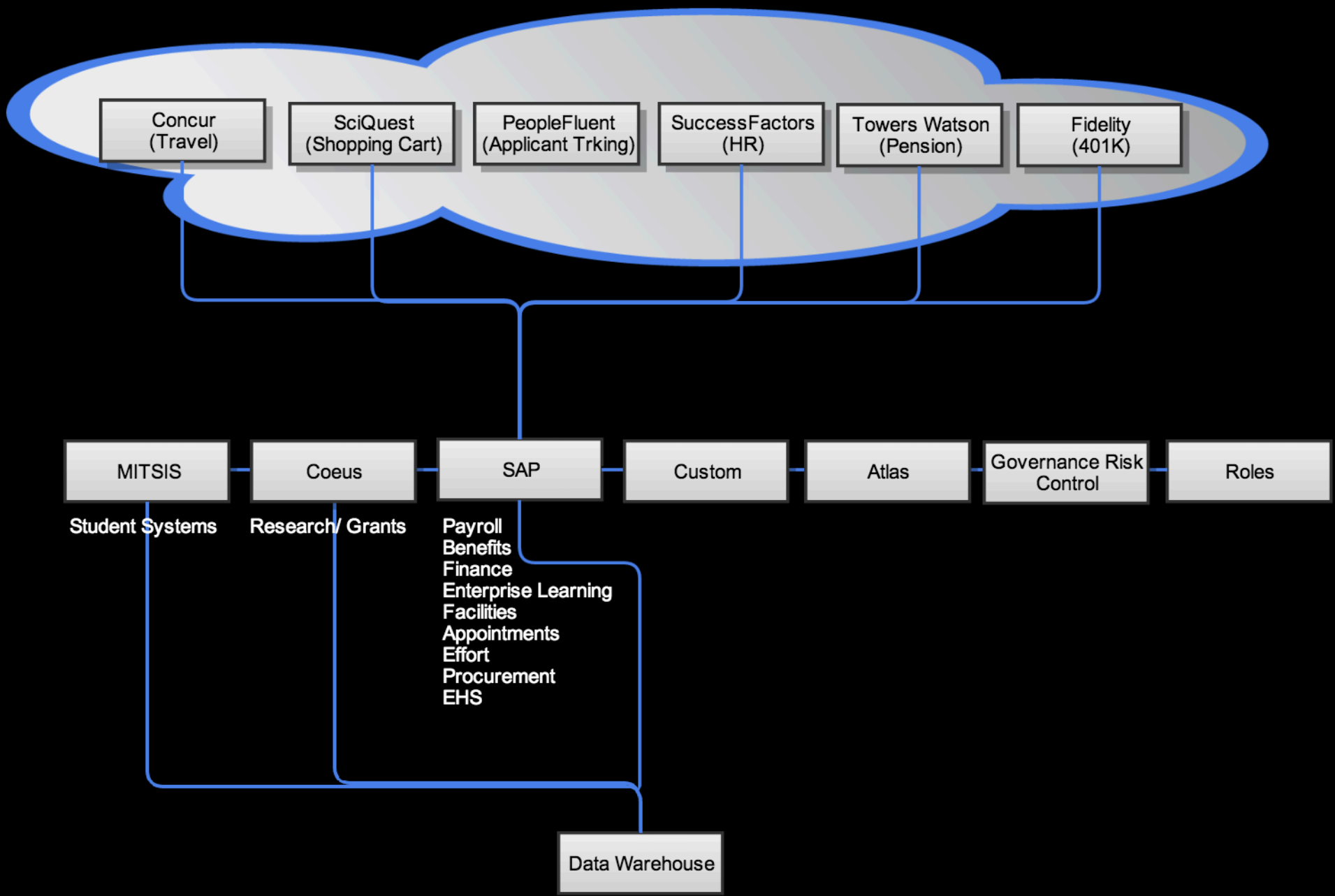
MCMXVI

Radar **Transistor radios** **Human Genome Project**
Spreadsheets **WWW** **GPS**

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

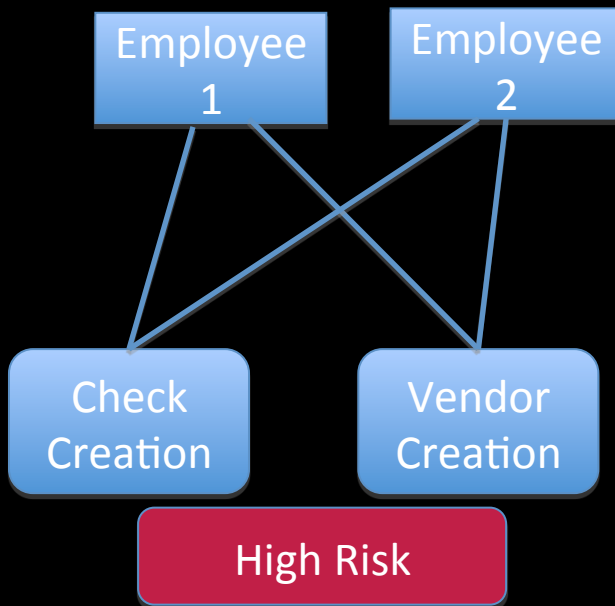






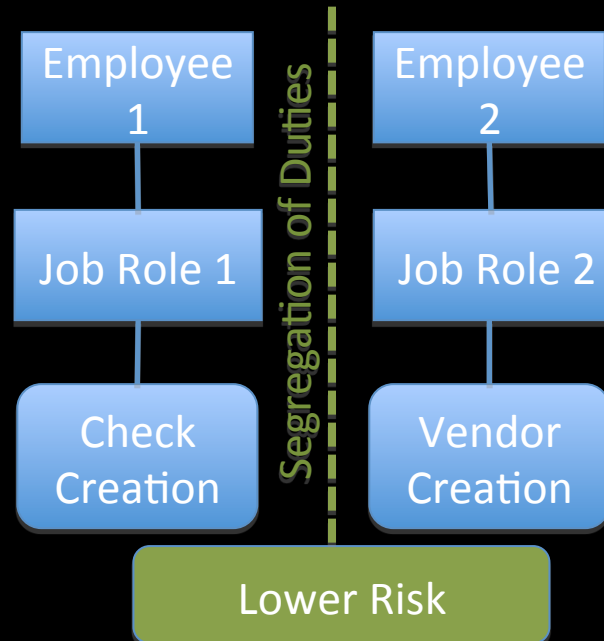
Segregation of Duties

Old Approach



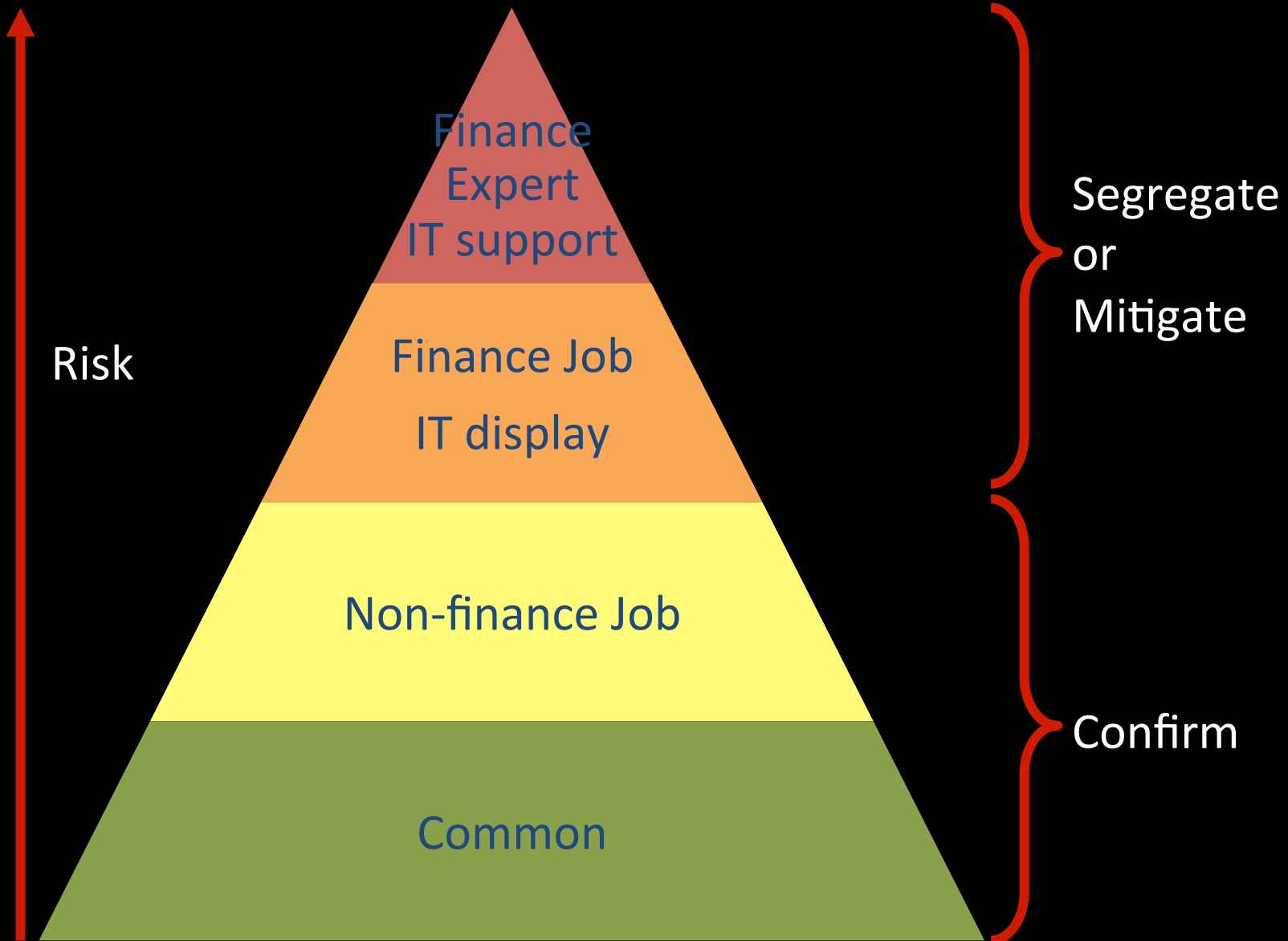
- Vague system for requesting access
- No access reports for managers
- Employees retained access after transfers
- Access determined arbitrarily

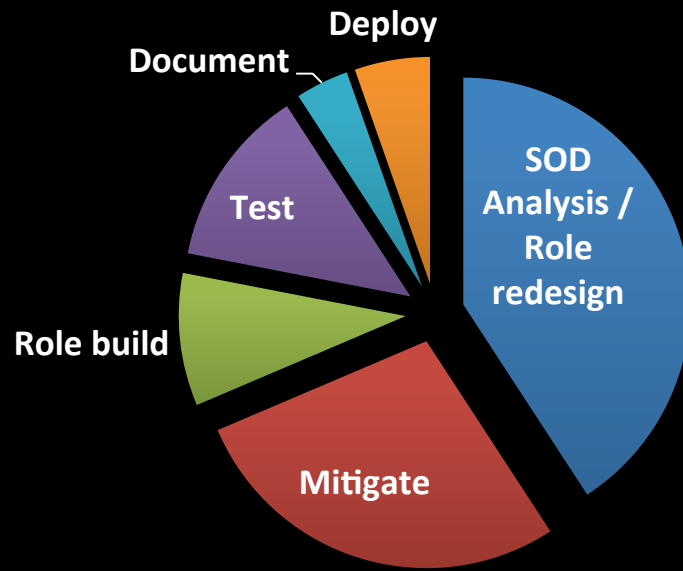
New Approach



- Access and risks defined, documented, and monitored
- Defined process for modifying access
- Defined roles for access ownership and risk ownership
- Mitigation reports

Roles





Responsibilities

Role Owner = Business owner

- Define role content
- Define user role access
- Approve user role access

Risk Owner = Manager of Business Owner

- Identify and define high risk access and SOD risks
- Define mitigation controls for SOD conflicts
- Collaborate with Internal Controls and Audit to ensure compliance
- Collaborate with Security Team to minimize risk in roles
- Review and approve or reject risks associated with roles and users
- Perform periodic review of risks and mitigation control

- 
My Home
- 
Setup
- 
Access Management
- 
Reports and Analytics

Welcome Bart Dahlstrom



Access Risk Analysis

Analyze systems for access risks across user, role, HR object and organization levels

- Quick Links
- User Level
- User Level Simulation
- Role Level
- Role Level Simulation
- Profile Level
- Profile Level Simulation
- HR Objects
- HR Objects Simulation



Access Request Administration

Create templates and manage access request settings

- Quick Links
- Template Management
- Search Requests
- Provisioning Logs
- Manage Password Self-Service
- Admin Delegation



Role Management

Manage business and application roles

- Quick Links
- Role Maintenance
- Role Search



Scheduling

Schedule, find and display background jobs

- Quick Links
- Background Scheduler
- Background Jobs



Access Request

Create access requests and model user access

- Quick Links
- Access Request Creation
- Model User
- Template Based Request
- Copy Request
- Request Status



Compliance Certification Reviews

Perform user access, risk violation and role assignment reviews

- Quick Links
- Manage Coordinators
- Request Review
- Manage Rejections



Role Mining

Analyze usage and optimize assignments of roles

- Quick Links
- Action Usage
- User to Role Relationship
- Role Relationship with User / User Group
- Compare User Roles
- Count authorization in Roles
- Count authorization for Users



Access Alerts

Find, display, and clear conflicting and critical access alerts and alerts for mitigating controls

- Quick Links
- Conflicting and Critical Access Alerts
- Mitigating Controls

Segregation of Duty

SOD: SAP Risk F001

Maintain fictitious GL
account & hide activity
via postings

=

Function: GL01

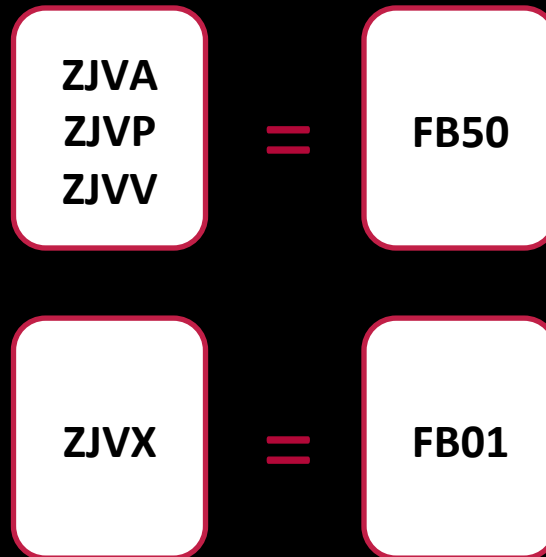
F.56
F.57
F-02
FB01
FB08
FB09
FB50
FBRA
FBU8
FBV0
... (66 total)

+

Function: GL02

FS00
FS01
FS02
FSP0
FSP1
FSP2
FSS1
FSS2
GJ83
GJ85
...(319 total)

Custom transaction



Mitigation

Risk

- Create vendor and initiate payment
- Assigned to Accounts Payable Manager role

Mitigation

- Report – vendor changes and invoices posted by same user
- Execute at least monthly
- Review by manager who does not have vendor master access
- Quarterly management review
- Annual audit review

GRC Reporting & Analysis

Access Risk Violations

Year/Month: 2011/03

System: All

Analysis Type: Role

Go

The Number of Roles Analyzed: 6019

Total Number of Violations: 2143793

Access Risk Violations

Year/Month: 2011/03

3414590

1684

839585

14517

51

- Critical
- High
- Low
- Medium

Access Risk

| Code | Business Process |
|------|----------------------|
| AP00 | APO |
| BS00 | Basis |
| CR00 | CRM |
| EC00 | Consolidation |
| CA00 | Cross |
| FI00 | Finance |
| HR00 | HR and Payroll |
| MM00 | Materials Management |

Access Risk Violations by Process

| Code | Business Process | Count |
|------|----------------------|--------|
| AP00 | APO | 15 |
| BS00 | Basis | 232698 |
| CR00 | CRM | 111 |
| EC00 | Consolidation | 36 |
| FI00 | Finance | 550720 |
| HR00 | HR and Payroll | 208819 |
| MM00 | Materials Management | 185374 |

GRC Reporting & Analysis

Result

View: * [Standard View] | Display As: Table | [Print Version](#) | [Export](#) | Type: Permission Level | Format: Detail | [Mitigate Risk](#)

| User ID | User Name | Access Risk ID | Risk Description | Risk Level | Function Description | Action | System |
|------------------------|-----------|----------------------|--|------------|--------------------------------|--------|------------|
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | AP02 - Process Vendor Invoices | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | AP02 - Process Vendor Invoices | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | AP02 - Process Vendor Invoices | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | AP02 - Process Vendor Invoices | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | AP02 - Process Vendor Invoices | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | AP02 - Process Vendor Invoices | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | AP02 - Process Vendor Invoices | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | GL01 - Post Journal Entry | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | GL01 - Post Journal Entry | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | GL01 - Post Journal Entry | FBV0 | ZZPS103001 |
| LCTRAN | Long Tran | F028 | Adjust the subsidiary balance using the vendor invoice entry and then cover it up using journal entries. | Medium | GL01 - Post Journal Entry | FBV0 | ZZPS103001 |

| Last Executed On | Execution Count | Resource | Resource Description | Resource Extn Desc | Value From | Value To | Role/Profile | Role/Profile Description |
|------------------|-----------------|------------|--|--------------------|----------------------|------------|----------------------------|---|
| | 0 | F_BKPF_BUK | Accounting Document: Authorization for Company Codes | Activity | 01 -Createorgenerate | 02 -Change | Z#DP:JV | Auth: CREATE/PARK/DELETE(PARKED) SA JVs |
| | 0 | F_BKPF_BUK | Accounting Document: Authorization for Company Codes | Activity | 01 -Createorgenerate | 02 -Change | Z#DP:JV FY | Auth: CREATE/PARK/DELETE(PARKED) FY JVs |
| | 0 | F_BKPF_BUK | Accounting Document: Authorization for Company Codes | Activity | 01 -Createorgenerate | 02 -Change | Z#DP:JV SX | Auth: CREATE/PARK/DELETE(PARKED) SX JVs |
| | 0 | S_TCODE | Transaction Code Check at Transaction Start | Transaction Code | FBV0 | | Z#DP:JV | Auth: CREATE/PARK/DELETE(PARKED) SA JVs |
| | 0 | S_TCODE | Transaction Code Check at Transaction Start | Transaction Code | FBV0 | | Z#DP:JV FY | Auth: CREATE/PARK/DELETE(PARKED) FY JVs |
| | 0 | S_TCODE | Transaction Code Check at Transaction Start | Transaction Code | FBV0 | | Z#DP:JV SX | Auth: CREATE/PARK/DELETE(PARKED) SX JVs |
| | 0 | F_BKPF_BUK | Accounting Document: Authorization for Company Codes | Activity | 01 -Createorgenerate | 02 -Change | Z#DP:JV | Auth: CREATE/PARK/DELETE(PARKED) SA JVs |
| | 0 | F_BKPF_BUK | Accounting Document: Authorization for Company Codes | Activity | 01 -Createorgenerate | 02 -Change | Z#DP:JV FY | Auth: CREATE/PARK/DELETE(PARKED) FY JVs |
| | 0 | F_BKPF_BUK | Accounting Document: Authorization for Company Codes | Activity | 01 -Createorgenerate | 02 -Change | Z#DP:JV SX | Auth: CREATE/PARK/DELETE(PARKED) SX JVs |
| | 0 | S_TCODE | Transaction Code Check at Transaction Start | Transaction Code | FBV0 | | Z#DP:JV | Auth: CREATE/PARK/DELETE(PARKED) SA JVs |



Thank You!