

# Authorization Management

## Hardware Asset Management

### Agency Comparison (FY2017 Q4 - FY2018 Q1)

| Agency   | Indicator | Change |      |
|----------|-----------|--------|------|
| ED       | ■         | 0%     | 100% |
| GSA      | ■         | 0%     | 100% |
| NSF      | ■         | 0%     | 100% |
| OPM      | ■         | 0%     | 100% |
| SSA      | ■         | 0%     | 100% |
| USAID    | ■         | 0%     | 100% |
| USDA     | ▲         | 5%     | 100% |
| HUD      | ■         | 0%     | 99%  |
| NRC      | ▲         | 1%     | 99%  |
| SBA      | ■         | 0%     | 98%  |
| Justice  | ▼         | -1%    | 96%  |
| DOT      | ■         | 0%     | 95%  |
| Labor    | ▲         | 10%    | 87%  |
| Treasury | ▼         | -3%    | 86%  |
| HHS      | ▼         | -8%    | 85%  |
| State    | ■         | 0%     | 82%  |
| DHS      | ▲         | 4%     | 81%  |
| Energy   | ▼         | -12%   | 73%  |
| Commerce | ▼         | -6%    | 65%  |
| Interior | ▼         | -22%   | 57%  |
| EPA      | ▲         | 12%    | 50%  |
| VA       | ■         | 0%     | 20%  |
| NASA     | ■         | 0%     | 4%   |

### Government-Wide Average

| Year Quarter | Govt Change |     |
|--------------|-------------|-----|
| FY 2017 Q4   |             | 67% |
| FY 2018 Q1   | -3%         | 64% |

**Hardware Asset Management:** 95% of hardware assets are covered by a capability to detect and alert upon the connection of an unauthorized hardware asset.

## Software Asset Management

### Agency Comparison (FY2017 Q4 - FY2018 Q1)

| Agency   | Indicator | Change |      |
|----------|-----------|--------|------|
| ED       | ■         | 0%     | 100% |
| HUD      | ■         | 0%     | 100% |
| OPM      | ■         | 0%     | 100% |
| SSA      | ■         | 0%     | 100% |
| USAID    | ▲         | 2%     | 100% |
| USDA     | ■         | 0%     | 100% |
| State    | ▲         | 1%     | 97%  |
| Justice  | ▼         | -1%    | 97%  |
| Labor    | ▼         | -3%    | 97%  |
| GSA      | ▼         | -1%    | 95%  |
| NRC      | ▼         | -1%    | 95%  |
| Treasury | ▼         | -1%    | 92%  |
| DHS      | ▼         | -5%    | 90%  |
| Energy   | ▼         | -1%    | 90%  |
| DOT      | ▼         | -1%    | 85%  |
| Commerce | ■         | 0%     | 64%  |
| Interior | ▲         | 7%     | 43%  |
| HHS      | ▼         | -8%    | 43%  |
| NSF      | ▼         | -14%   | 39%  |
| EPA      | ▼         | -50%   | 13%  |
| VA       | ▲         | 1%     | 8%   |
| SBA      | ▼         | -10%   | 0%   |
| NASA     | ■         | 0%     | 0%   |

### Government-Wide Average

| Year Quarter | Govt Change |     |
|--------------|-------------|-----|
| FY 2017 Q4   |             | 68% |
| FY 2018 Q1   | -3%         | 65% |

**Software Asset Management:** 95% of software assets are covered by a whitelisting capability.

## Authorization Management

### Agency Comparison (FY2017 Q4 - FY2018 Q1)

| Agency   | Indicator | Change |      |
|----------|-----------|--------|------|
| Commerce | ■         | 0%     | 100% |
| GSA      | ■         | 0%     | 100% |
| HUD      | ■         | 0%     | 100% |
| Interior | ■         | 0%     | 100% |
| Justice  | ■         | 0%     | 100% |
| Labor    | ■         | 0%     | 100% |
| NSF      | ■         | 0%     | 100% |
| OPM      | ■         | 0%     | 100% |
| SSA      | ■         | 0%     | 100% |
| USAID    | ▲         | 29%    | 100% |
| NASA     | ▼         | -1%    | 99%  |
| HHS      | ■         | 0%     | 97%  |
| Energy   | ▲         | 1%     | 97%  |
| ED       | ■         | 0%     | 97%  |
| NRC      | ▼         | -4%    | 96%  |
| DOT      | ▲         | 16%    | 94%  |
| DHS      | ▼         | -4%    | 91%  |
| USDA     | ▲         | 6%     | 88%  |
| Treasury | ▼         | -2%    | 84%  |
| SBA      | ▲         | 5%     | 83%  |
| VA       | ▼         | -25%   | 73%  |
| State    | ▼         | -1%    | 44%  |
| EPA      | ▼         | -92%   | 0%   |

### Government-Wide Average

| Year Quarter | Govt Change |     |
|--------------|-------------|-----|
| FY 2017 Q4   |             | 91% |
| FY 2018 Q1   | 0%          | 91% |

**Authorization Management:** 100% of High and Moderate Impact Systems are covered by a valid security ATO.

## Mobile Device Management

### Agency Comparison

| Agency   |      |
|----------|------|
| ED       | 100% |
| GSA      | 100% |
| HUD      | 100% |
| Interior | 100% |
| Labor    | 100% |
| NASA     | 100% |
| OPM      | 100% |
| SSA      | 100% |
| USAID    | 100% |
| USDA     | 100% |
| DHS      | 100% |
| State    | 100% |
| Energy   | 99%  |
| Justice  | 99%  |
| EPA      | 98%  |
| DOT      | 94%  |
| Treasury | 92%  |
| VA       | 92%  |
| Commerce | 89%  |
| HHS      | 84%  |
| SBA      | 72%  |
| NSF      | 65%  |
| NRC      | 23%  |

### Government-Wide Average

| Year Quarter |     |
|--------------|-----|
| FY 2018 Q1   | 96% |

**Mobile Device Management:** 95% of mobile devices are covered by a capability to remotely wipe contents if the device is lost or compromised.

## Number of Agencies that Met Target

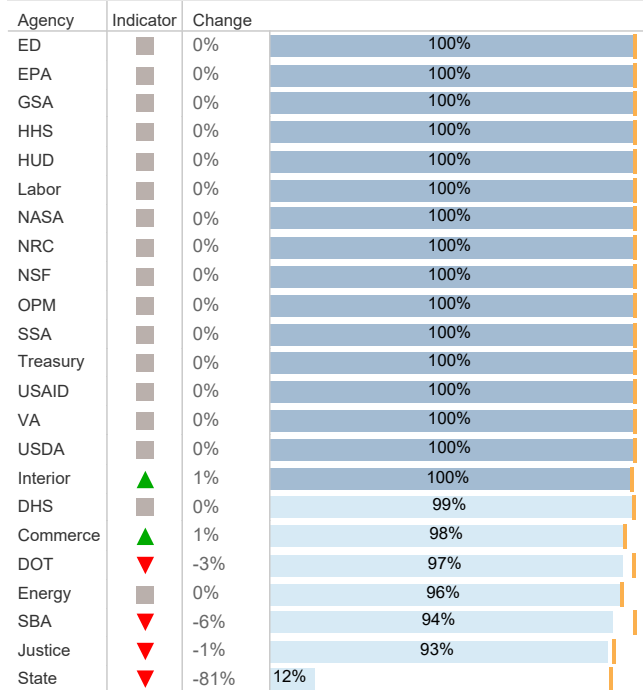
|                           |    |    |
|---------------------------|----|----|
| Hardware Asset Management | 12 | 12 |
| Software Asset Management | 11 | 12 |
| Authorization Management  | 10 | 11 |
| Mobile Device Management  | 15 |    |

- Below target (FY 2018 Q1)
- Meets or exceeds target (FY 2018 Q1)
- Increase from previous quarter
- No change from previous quarter
- Reduction from previous quarter
- FY 2017 Q4
- FY 2018 Q1

# Limit Personnel Access

## Privileged Network Access Management

### Agency Comparison (FY2017 Q4 - FY2018 Q1)



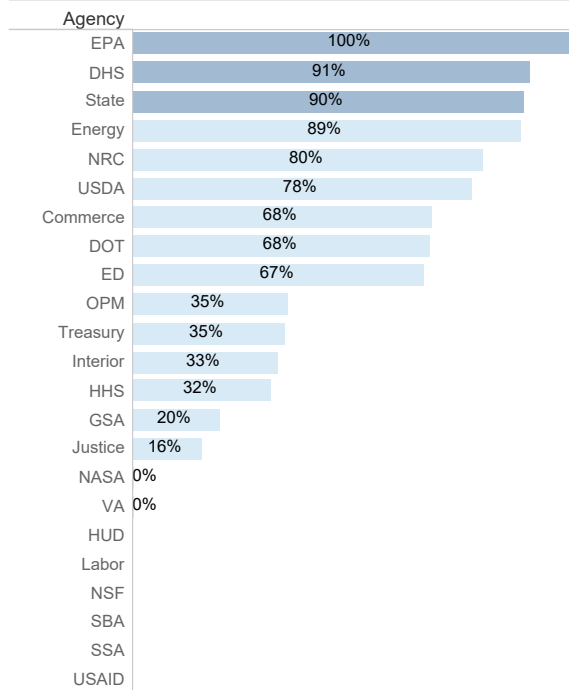
### Government-Wide Average



**Privileged Network Access Management:** 100% of privileged users are required to use a PIV card or AAL3 multifactor authentication method to access the agency's network.

## High Impact System Access Management

### Agency Comparison



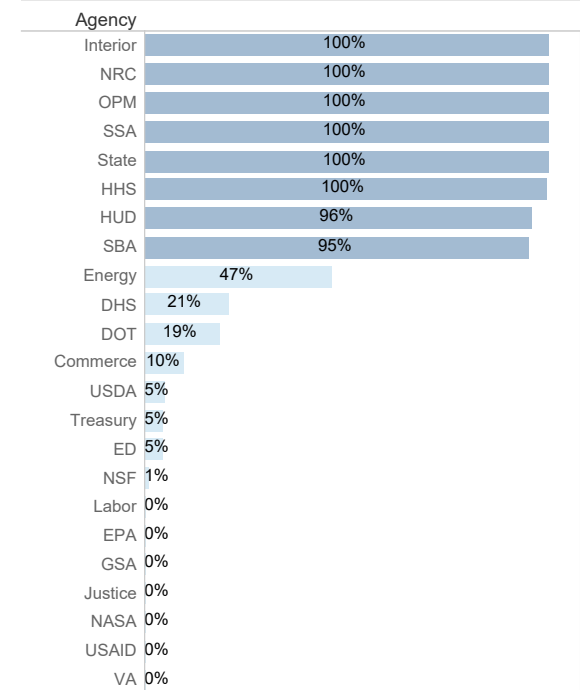
### Government-Wide Average



**High Impact System Management:** 90% of High Impact Systems require all users to authenticate using a PIV card or AAL3 multifactor authentication method.

## Automated Access Management

### Agency Comparison

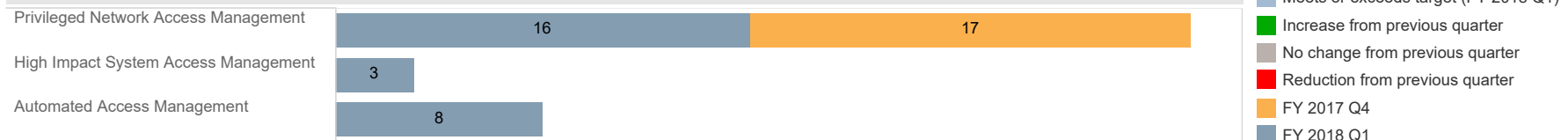


### Government-Wide Average



**Automated Access Management:** 95% of users are covered by an automated, dynamic access management solution that centrally tracks access and privilege levels.

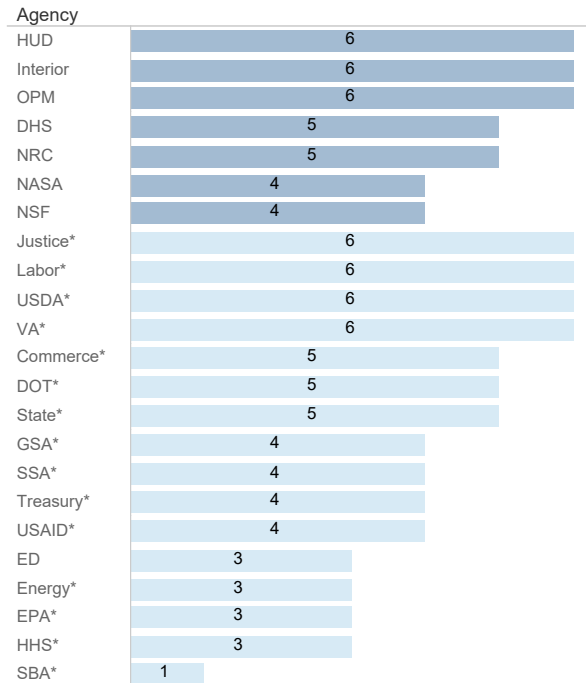
## Number of Agencies that Met Target



# Protect Networks and Data

## Intrusion Detection and Prevention

### Agency Comparison



### Government-Wide Average



**Intrusion Detection and Prevention:** At least 4 of 6 Intrusion Detection and Prevention metrics have met an implementation target of at least 90% and 100% of email traffic is analyzed using DMARC email authentication protocols.

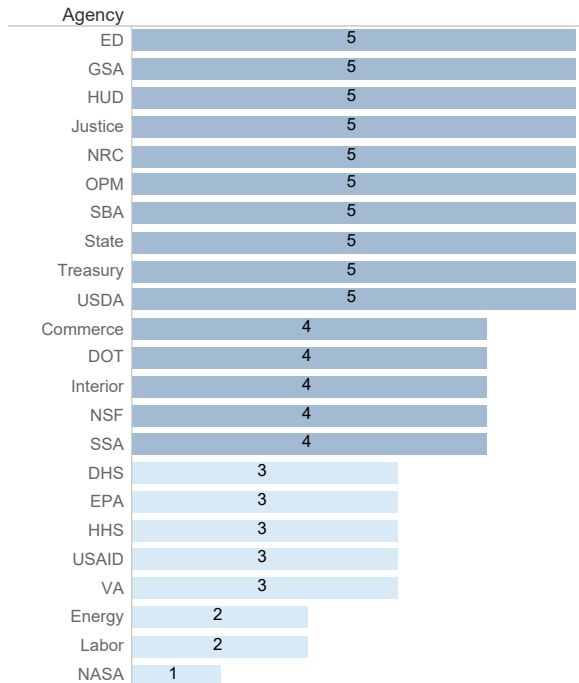
\*All email traffic not analyzed using DMARC email authentication protocols as required by DHS BOD 18-01

## Number of Agencies that Met Target



## Exfiltration and Enhanced Defenses

### Agency Comparison



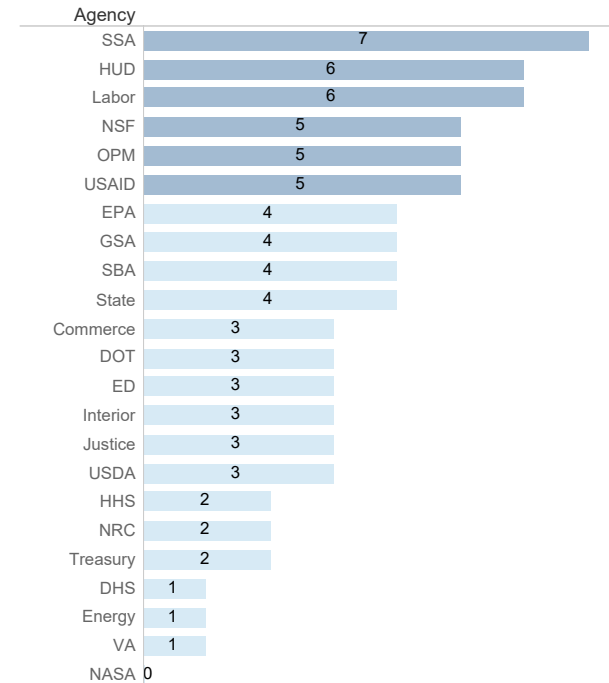
### Government-Wide Average



**Exfiltration and Enhanced Defenses:** At least 4 of 5 Exfiltration and Enhanced Defenses metrics have met an implementation target of at least 90%.

## Data Protection

### Agency Comparison



### Government-Wide Average



**Data Protection:** At least 5 of 7 Data Protection metrics, including data encryption and segmentation, have met an implementation target of at least 90%.

Meets or exceeds target (FY 2018 Q1)  
Below target (FY 2018 Q1)