Inside Out

Protecting Your Agency in a World without Walls

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Cybercrime is booming…

- Data breaches increased by **75%** over the past two years[1]

- Almost **4.5 billion** records stolen worldwide in first half of 2018[2]

- **$6 trillion** in estimated global cybercrime damages by 2021[3]

700 million people worldwide were victims of cybercrime last year[3]

1. Information Age, September 2018
2. Business Wire, October 2018
3. Comparitech, October 2018

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It's all about the data…   where its stored…

Privileged Users

Business Users
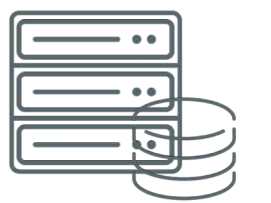
Customers/ Citizens

Developers

Devices

80%
of data breaches involved privileged credentials[1]

Cloud Environments

Virtual Servers

Traditional Data Centers

Legacy Mainframe

who is accessing it…   and how…

1.   Forrester, The Forrester Wave™: Privileged Identity Management, Q4 2018, Andras Cser, November 14, 2018

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Privileged access is the main target for hackers…

Privileged Users

Business Users

Customers/ Citizens

Developers

PRIVILEGED ACCESS MGMT

Cloud Environments

Virtual Servers
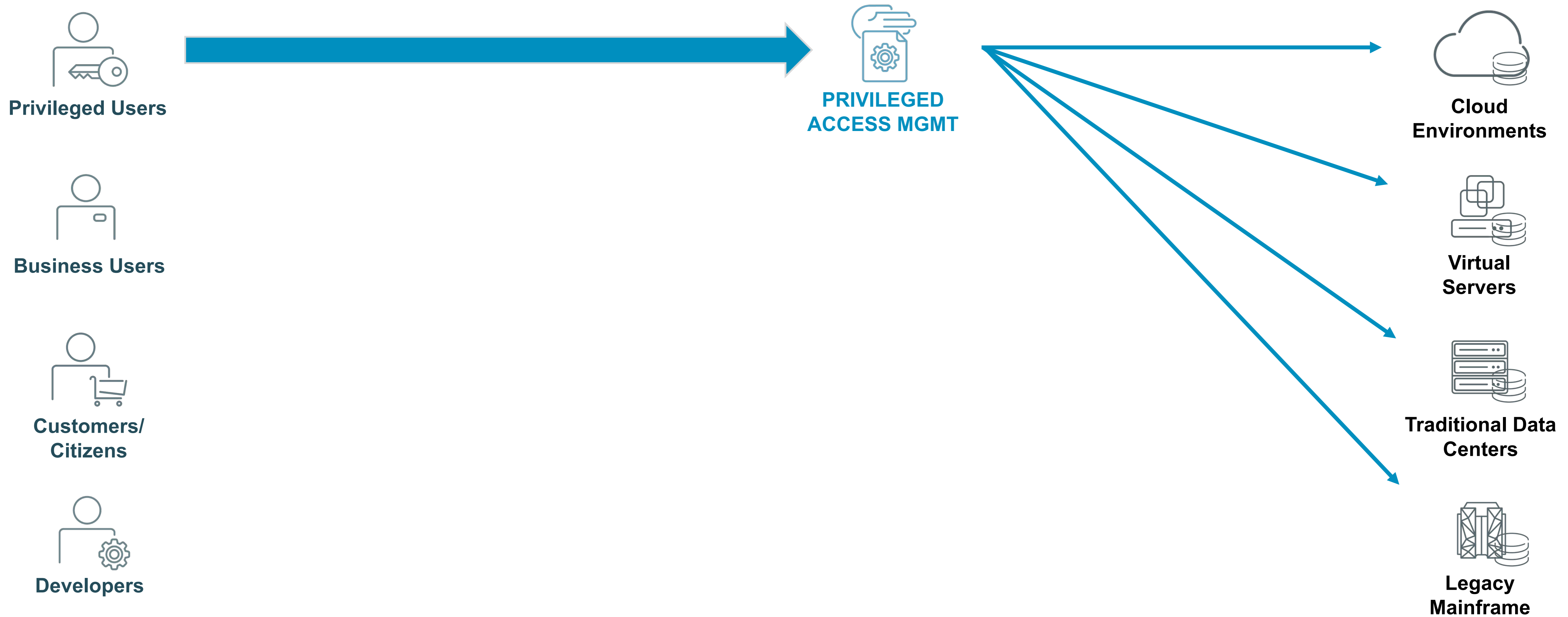
Traditional Data Centers

Legacy Mainframe

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But a malicious user can compromise a privileged user…

Malicious User

Privileged Users

PRIVILEGED ACCESS MGMT

THREAT ANALYTICS

Cloud Environments

Virtual Servers

Traditional Data Centers

Legacy Mainframe
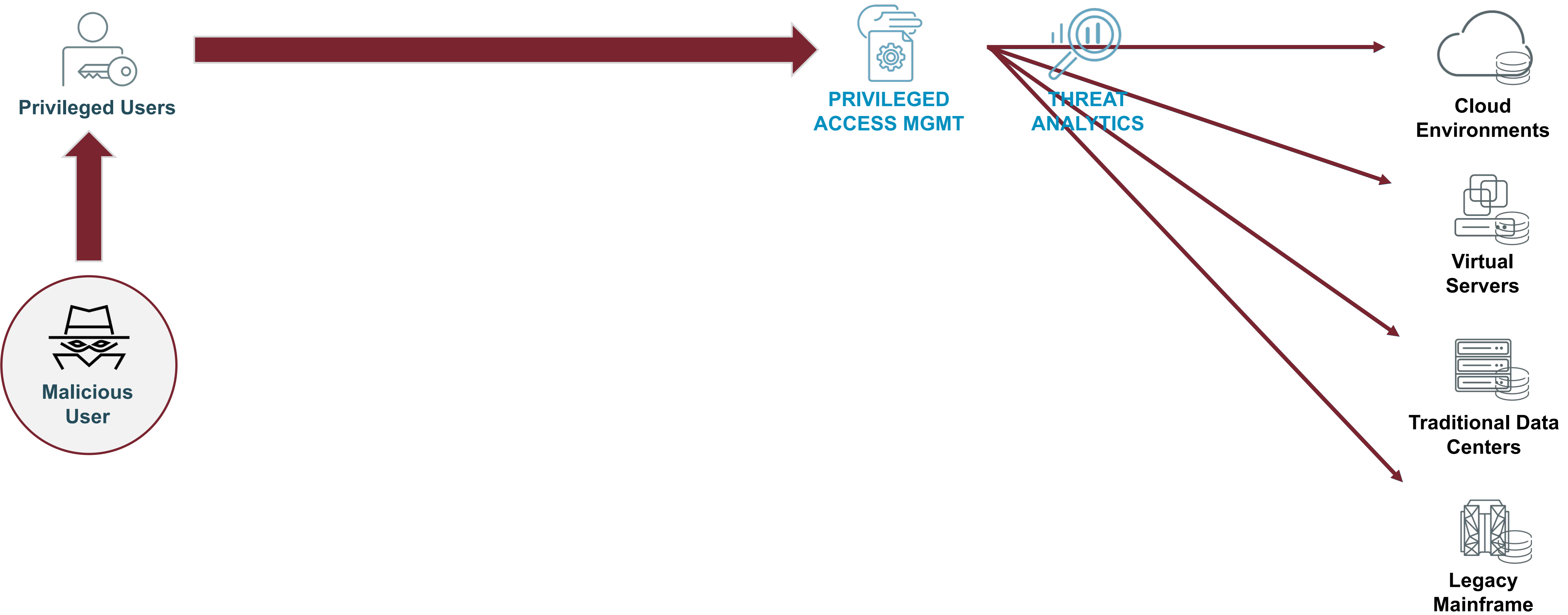
But this can be mitigated with Threat Analytics…

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How to handle business and external users…

Privileged Users

Business Users

Customers/ Citizens

PRIVILEGED ACCESS MGMT

THREAT ANALYTICS

ACCESS MANAGEMENT

IDENTITY MGMT & GOVERNANCE

AGENCY DIRECTORY

Cloud Environments

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Traditional Data Centers

Legacy Mainframe
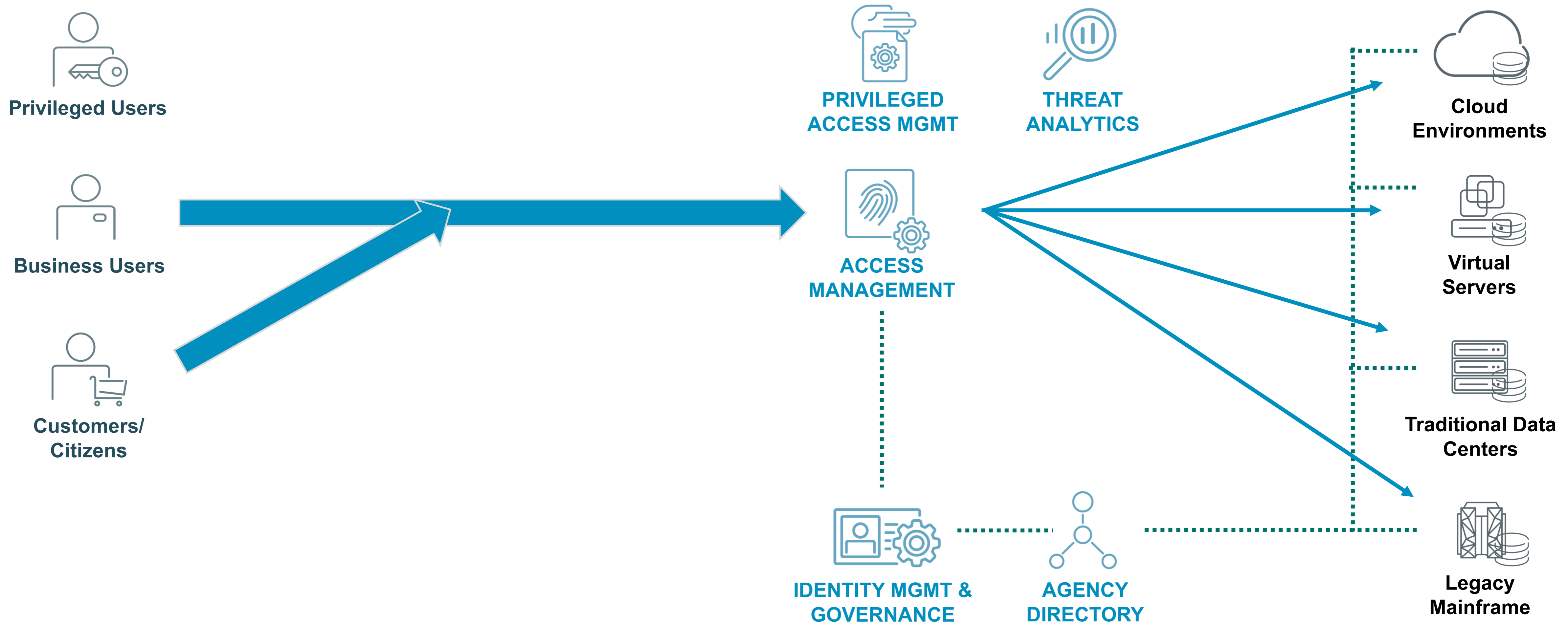
IAM solutions are leveraged to control access…

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But what about the rash of stolen credentials…

Privileged Users

Business Users

Customers/ Citizens

2.3B

authentication credentials stolen in 2017[1]

PRIVILEGED ACCESS MGMT

THREAT ANALYTICS

ACCESS MANAGEMENT

STRONG AUTHENTICATION

IDENTITY MGMT & GOVERNANCE

AGENCY DIRECTORY

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Stronger authentication is required to identify users…

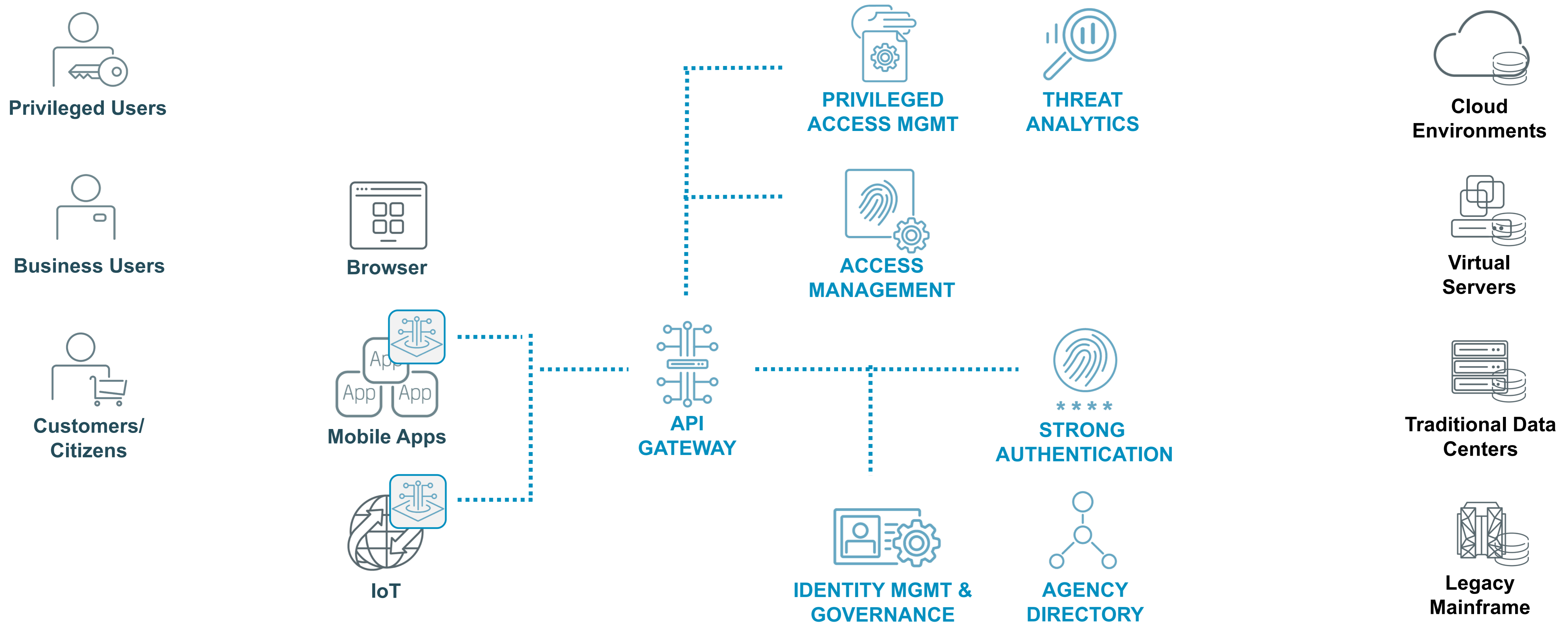1. Credential Spill Report, 2018

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But users aren't just accessing data from a browser...
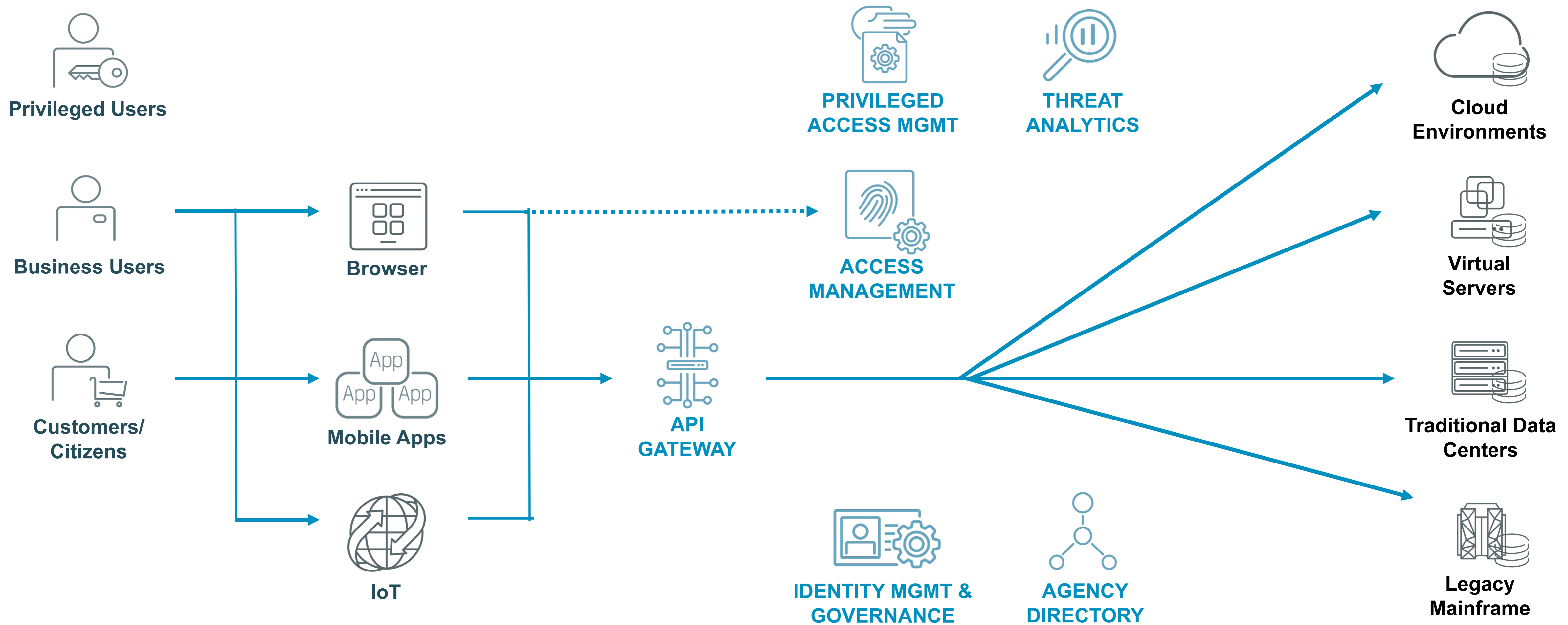
API Gateways integrate these new interfaces...

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The API Gateway integrates with PAM & IAM systems...

Privileged Users

Business Users

Browser

Customers/ Citizens

Mobile Apps

IoT

PRIVILEGED ACCESS MGMT

THREAT ANALYTICS

ACCESS MANAGEMENT

API GATEWAY

STRONG AUTHENTICATION

****

IDENTITY MGMT & GOVERNANCE

AGENCY DIRECTORY

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It provides SDK's to integrate with Mobile Apps and IoT…

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And you need the ability to develop and expose API's...

Privileged Users

Business Users

Customers/ Citizens

Developers

PRIVILEGED ACCESS MGMT

THREAT ANALYTICS

ACCESS MANAGEMENT

API GATEWAY

API PORTAL

API CREATOR

Cloud Environments

Virtual Servers

Traditional Data Centers

Legacy Mainframe
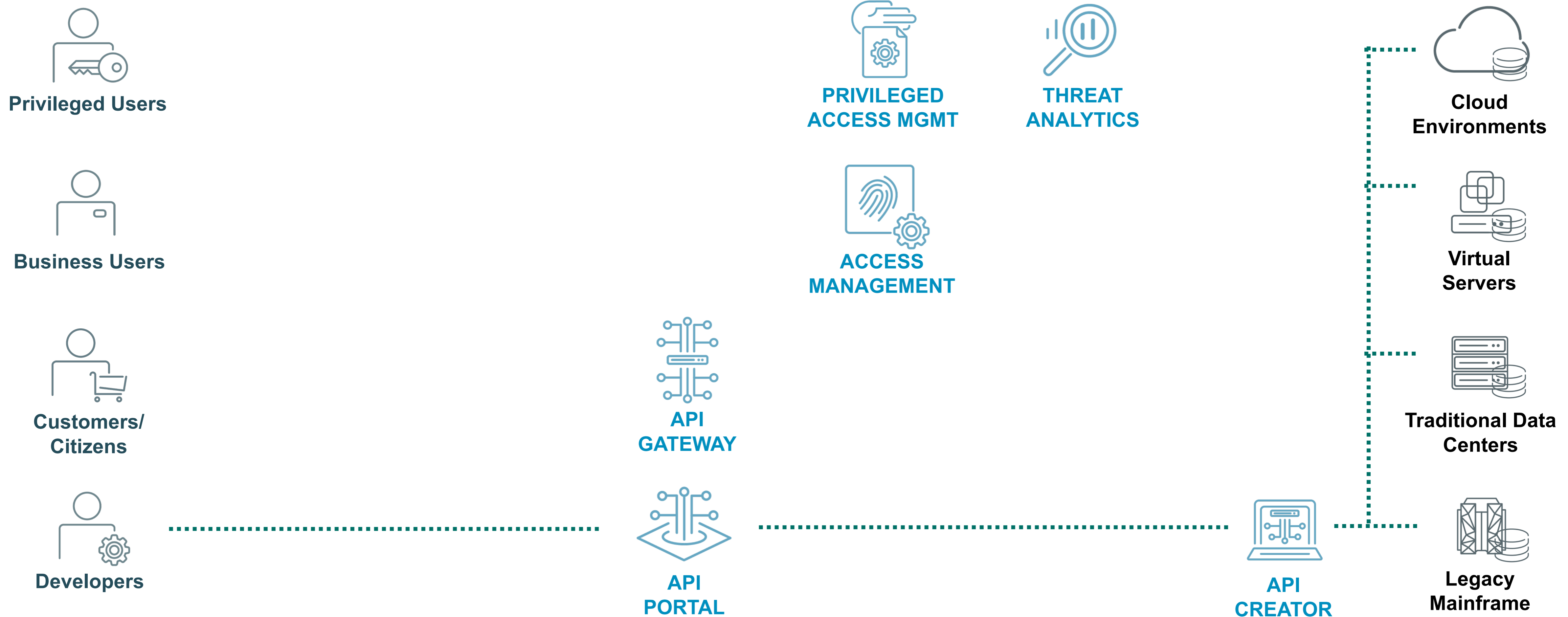
Enabling developer velocity needed for the business...

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Layer7 Security & Integration Portfolio

Privileged Access Management
- Securing privileged users, accounts and credentials

Identity and Access Management
- Securing and governing business and privileged users

Threat Analytics
- Monitor privileged user activities for abnormal usage

Authentication
- Applying multifactor credentials for logins

API Management
- Connecting data securely to apps and devices

Data

Enterprise Security from the Inside Out…

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Thank You

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