resilient
network systems

Delivering Connected Trust

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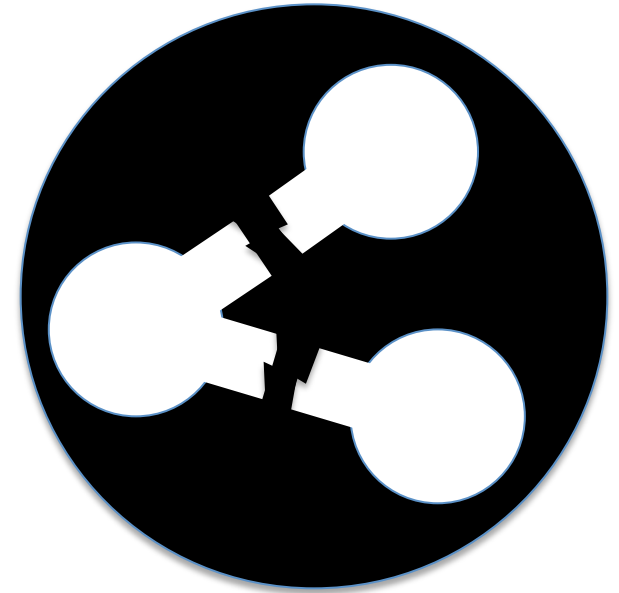CEO

AFCEA

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**Existing identity/security models
are inadequate and lead to a lack of trust:**

➢ Data must be secured before being
  shared

➢ Data stewards control policies not
  applications

➢ Authentication and authorization lack
  context required for trust

➢ Incorporating new missions, users, data or
  analytics is costly

Agencies and organizations require functionality to share information, while
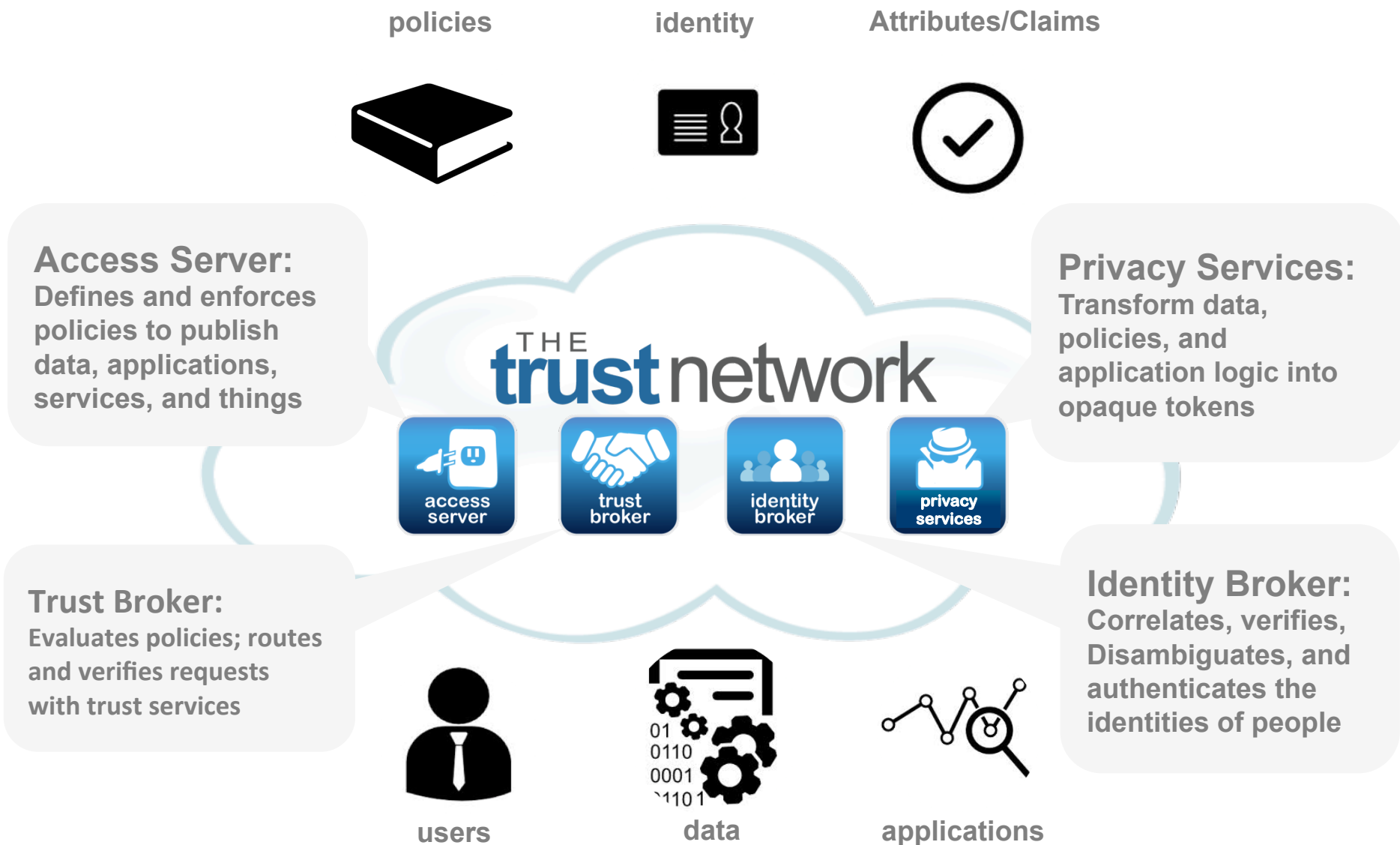maintaining their policies for access control and dissemination

A peer-to-peer networking platform that simplifies the complexity of creating trusted interactions between users, applications and other online services.

trustnetwork

Who is requesting access?

What can they do or have?

What is the context of the request?
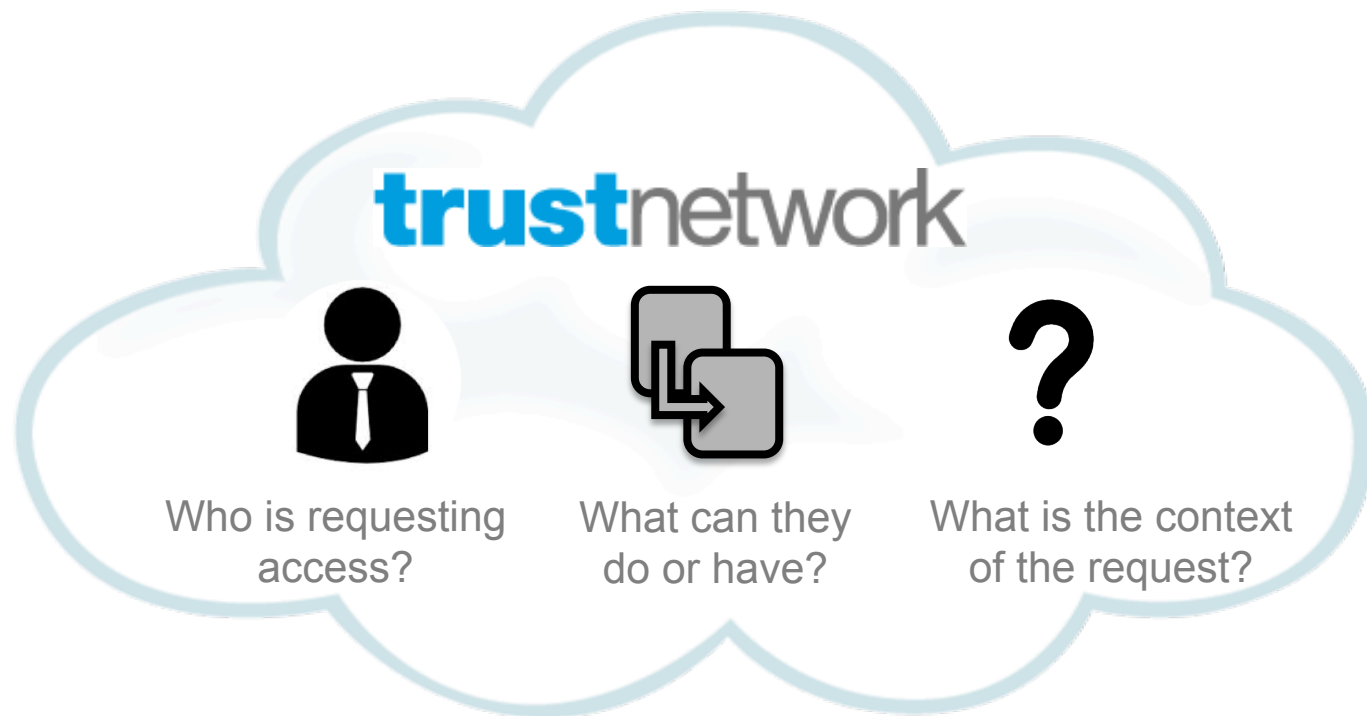
Trust Networks evaluate and enforce each parties' policies for identity, access, and use of online resources, with minimal exchange of sensitive identity data.

The Trust Network Platform

policies   identity   Attributes/Claims

Access Server:
Defines and enforces policies to publish data, applications, services, and things

Privacy Services:
Transform data, policies, and application logic into opaque tokens

THE trustnetwork

access server | trust broker | identity broker | privacy services

Trust Broker:
Evaluates policies; routes and verifies requests with trust services

Identity Broker:
Correlates, verifies, Disambiguates, and authenticates the identities of people

users   data   applications

- ❑ Resilient's Trust Network augments Software-Defined Network (SDN)

  - ❑ Authenticate and Authorize administrators from multiple organizations that create a software-defined network or data center (public cloud service providers/data center providers/customers)

  - ❑ Bring in other context to allow system access (potentials include administrator behavior; external threats or attacks)

  - ❑ Bring in context to automatically reconfigure application access control (potentials include DDOS attacks; external threat rating)

  - ❑ Enable policies to augment interaction with other data center assets outside of an SDN purview

- ❑ SDN augment Resilient's Trust Network

  - ❑ Provides higher degree of vertical trust in a Resilient Trust Network nodes

  - ❑ Potentially support greater horizontal trust between Resilient Trust Network Nodes