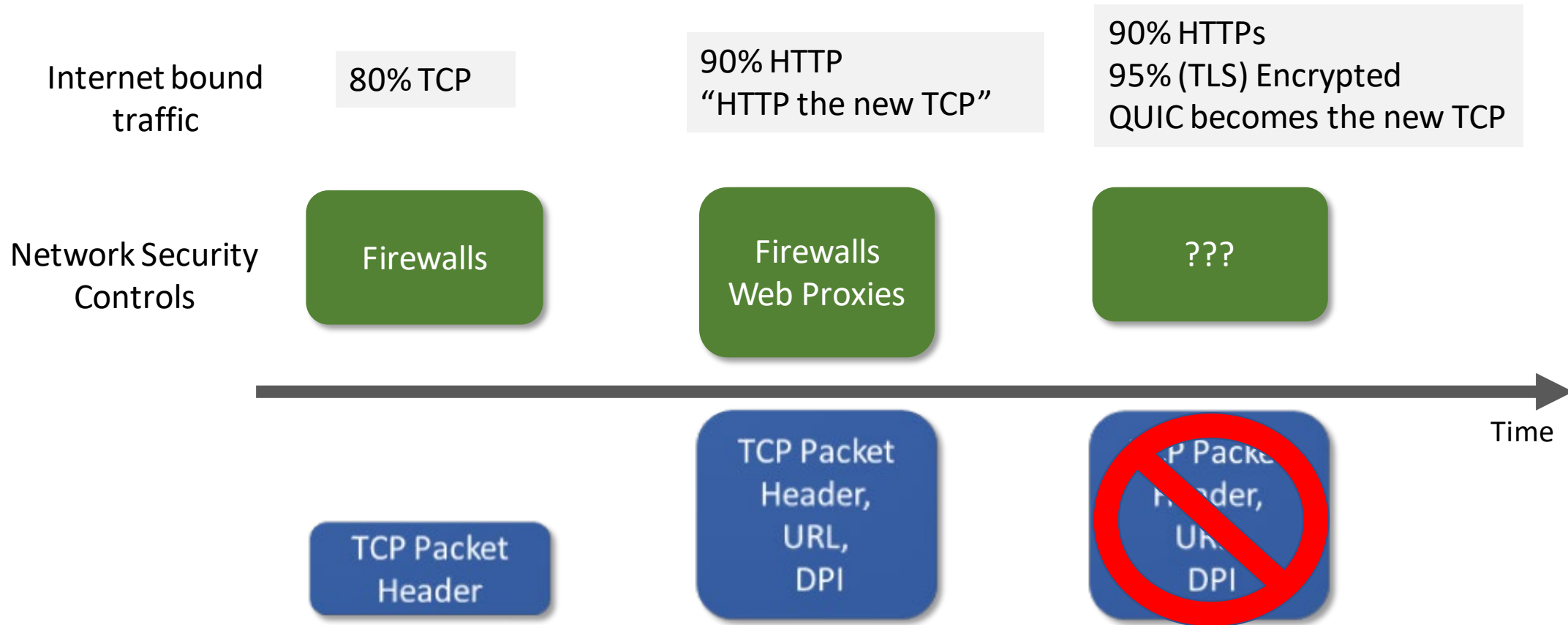


# Collaborative Security in an Encrypted Internet

# The Visibility Tensor



# When and How is Visibility required?

## General Use cases

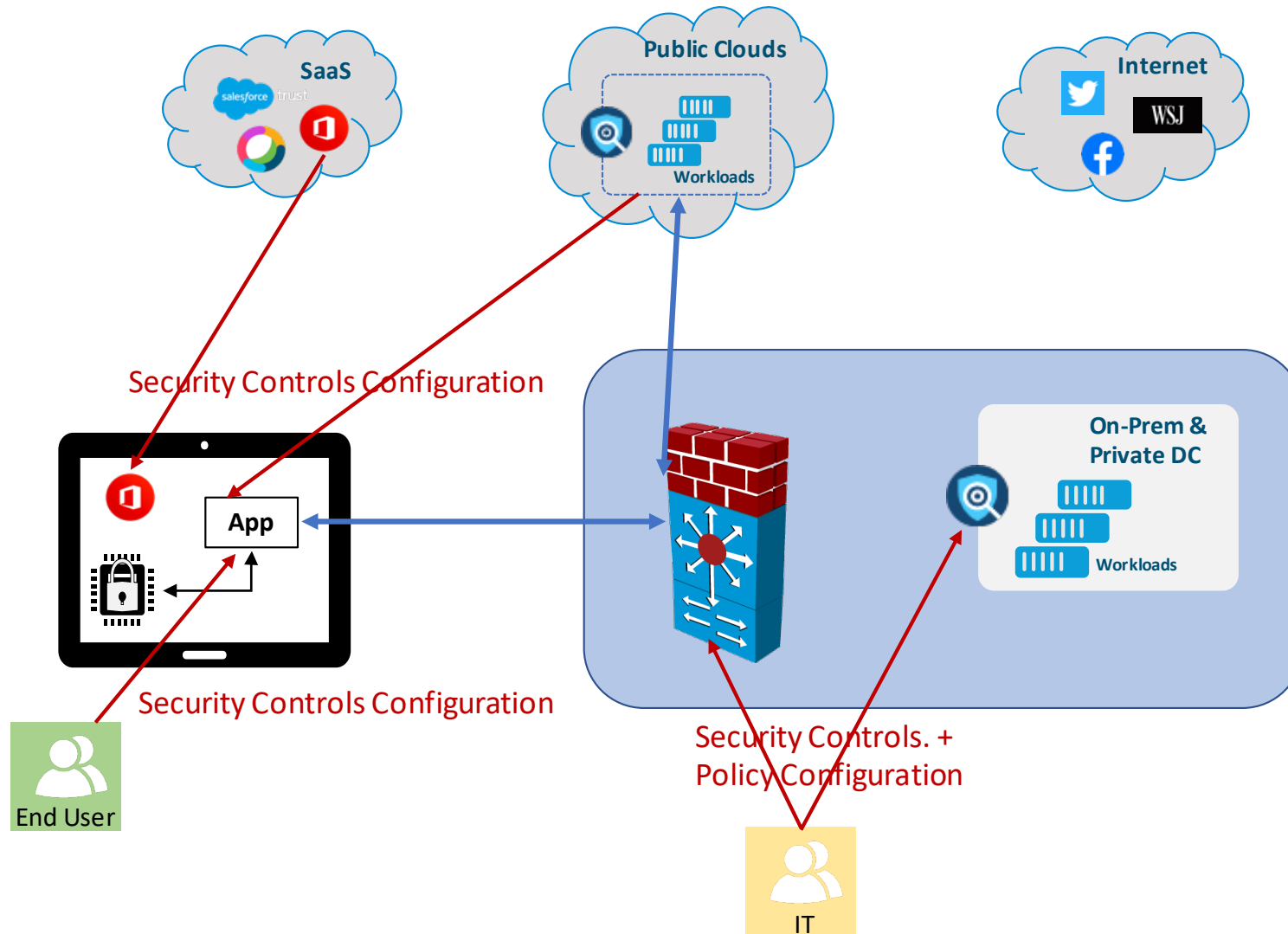
### Metadata Inspection

- Security and crypto compliance
- Acceptable Use policies
- Controls based on Application type

### Metadata Inspection, DPI, Stateful DPI

- Regulatory Compliance
- Intrusion Detection/Prevention
- Malware Detection
- Granular Application Controls
- File inspection

# NIST Improve Controls thru Collaboration

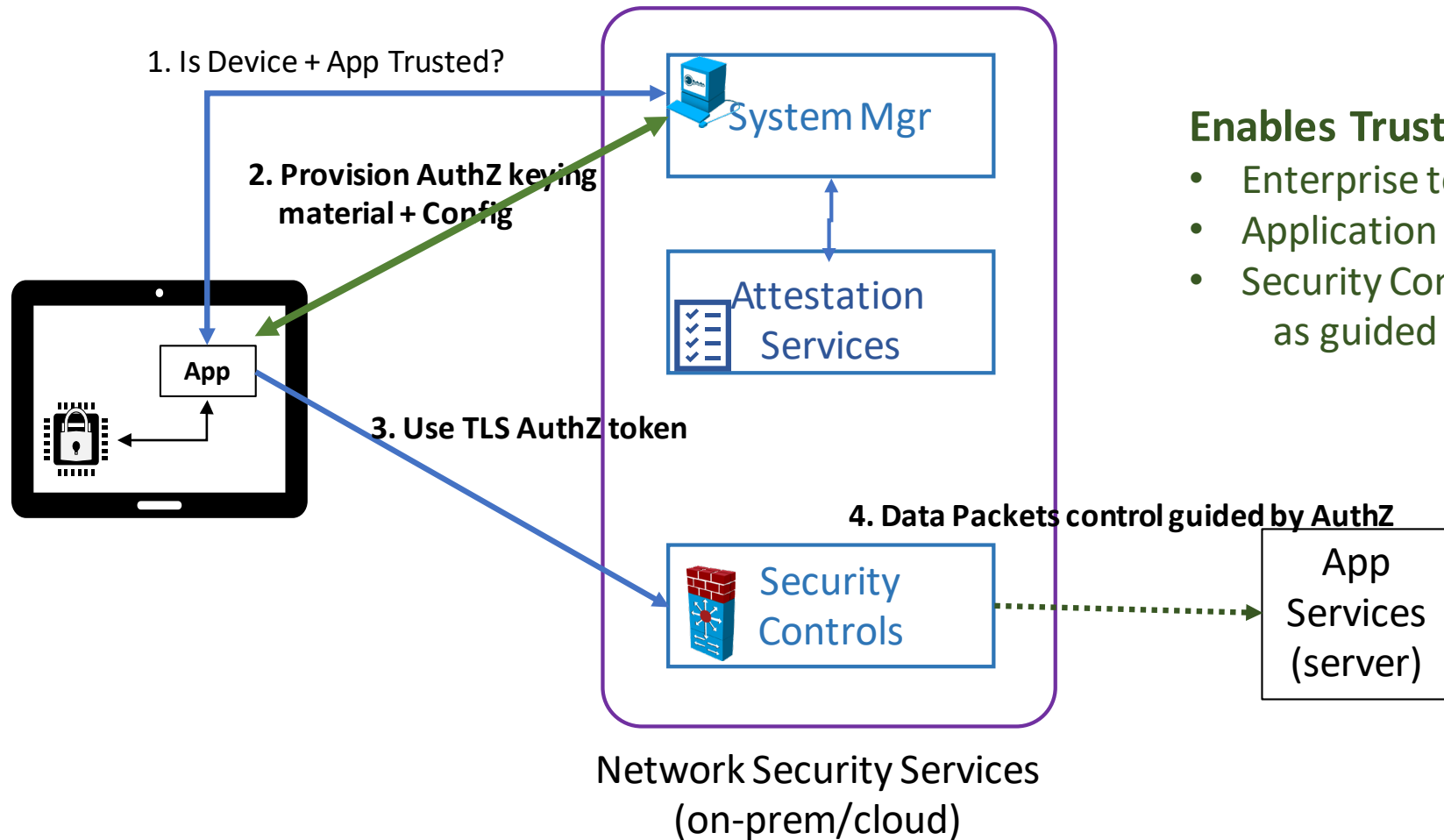


## Guidance can be provided by:

- ✓ Asset Manufacturer
- ✓ Asset Manager
- ✓ End User
- ✓ Network/Cloud Security Admin

- **Guidance set on configuration**
- **Guidance conveyed in a secure “TLS Authorization” token**
- **IT configured how to use the token contents**
- **IT manages keys to secure token**

## Use Mutual Trust to Guide Security controls:



### Enables Trusted Parties to Collaborate:

- Enterprise to signal Application of desired controls
- Application to influence Security Control Outcomes
- Security Controls can avoid further inspection as guided by the Enterprise and Application





**Comments?**