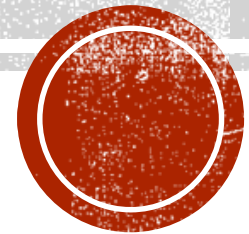
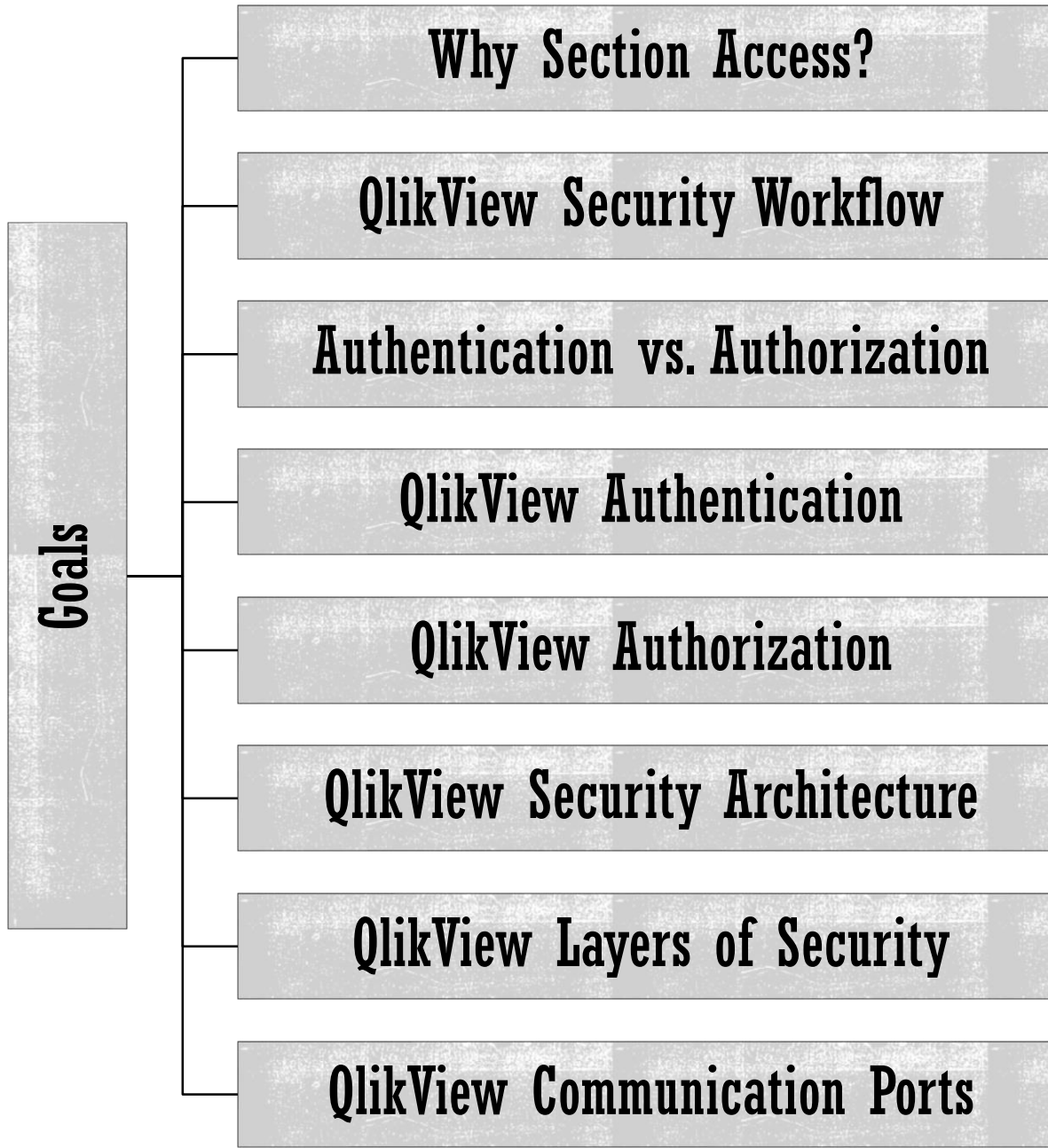


# Security Fundamentals

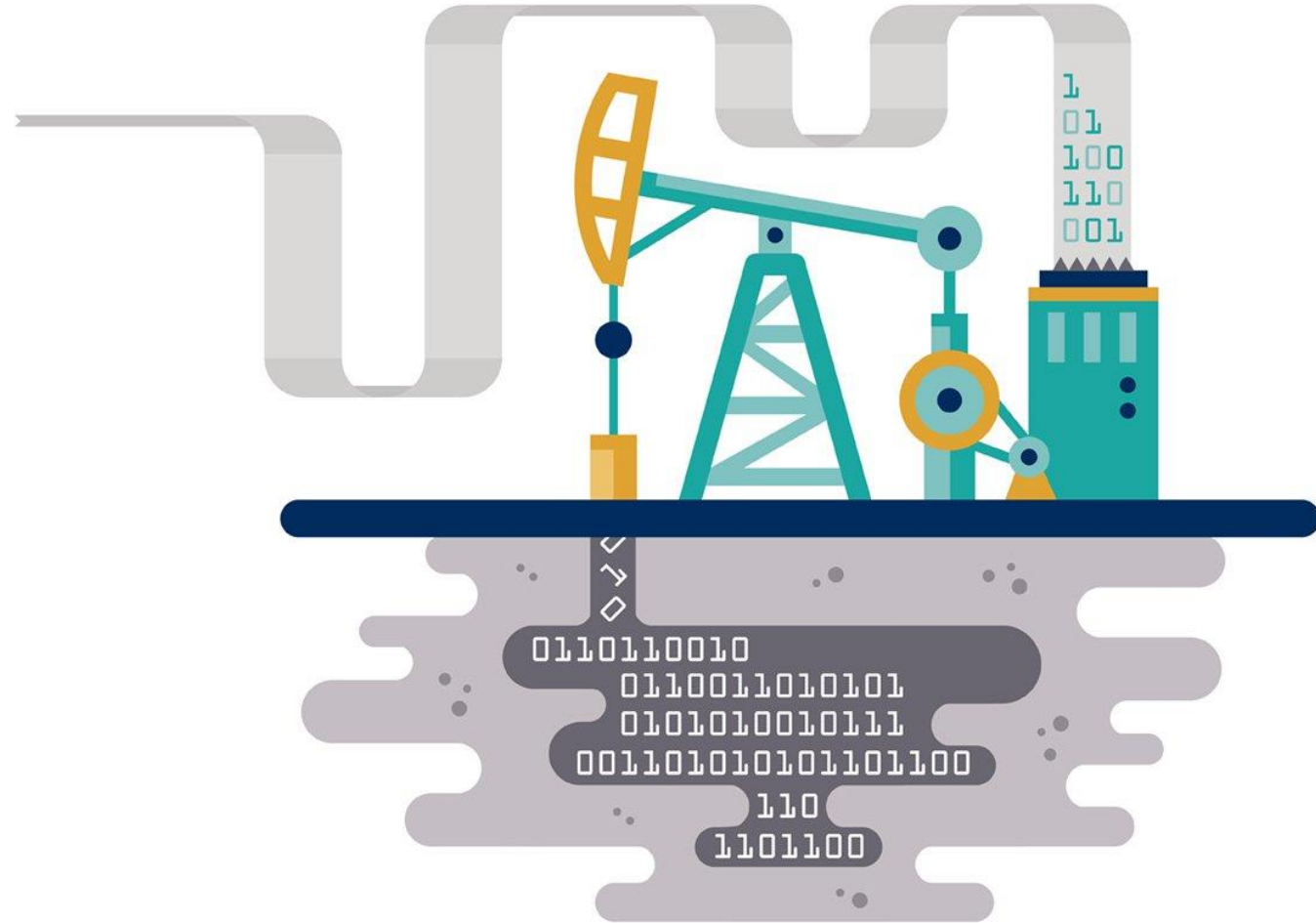


# Chapter Goals



# Why Section Access?

Can you  
Name  
the  
Picture?



# Why Section Access?

**Data is  
new  
Oil!**





# Why Section Access?

**Protect  
your  
Data**



# Why Section Access?



**Authorize  
User  
Access**



# Why Section Access?

## System of Record

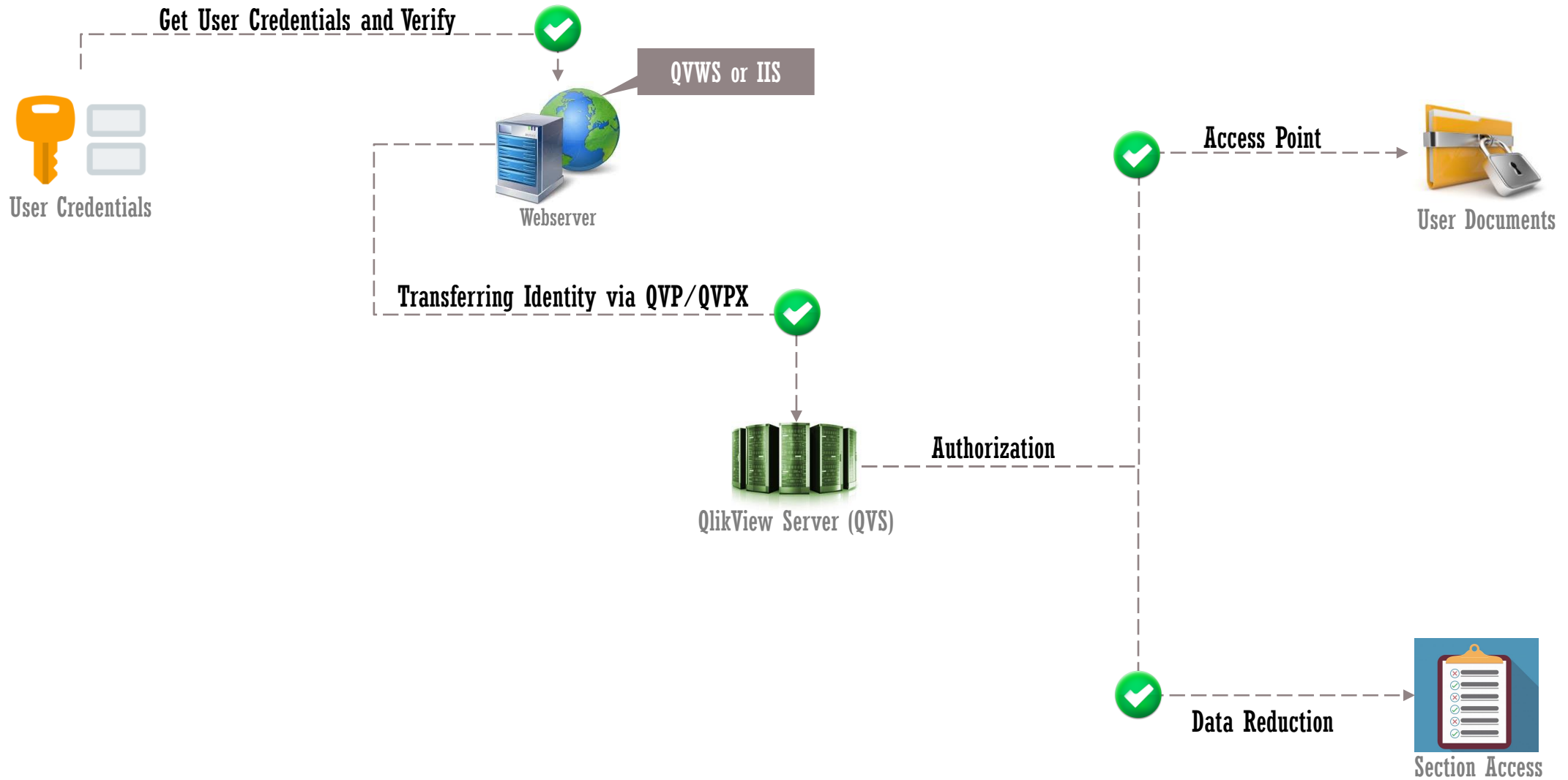


# Authentication vs. Authorization

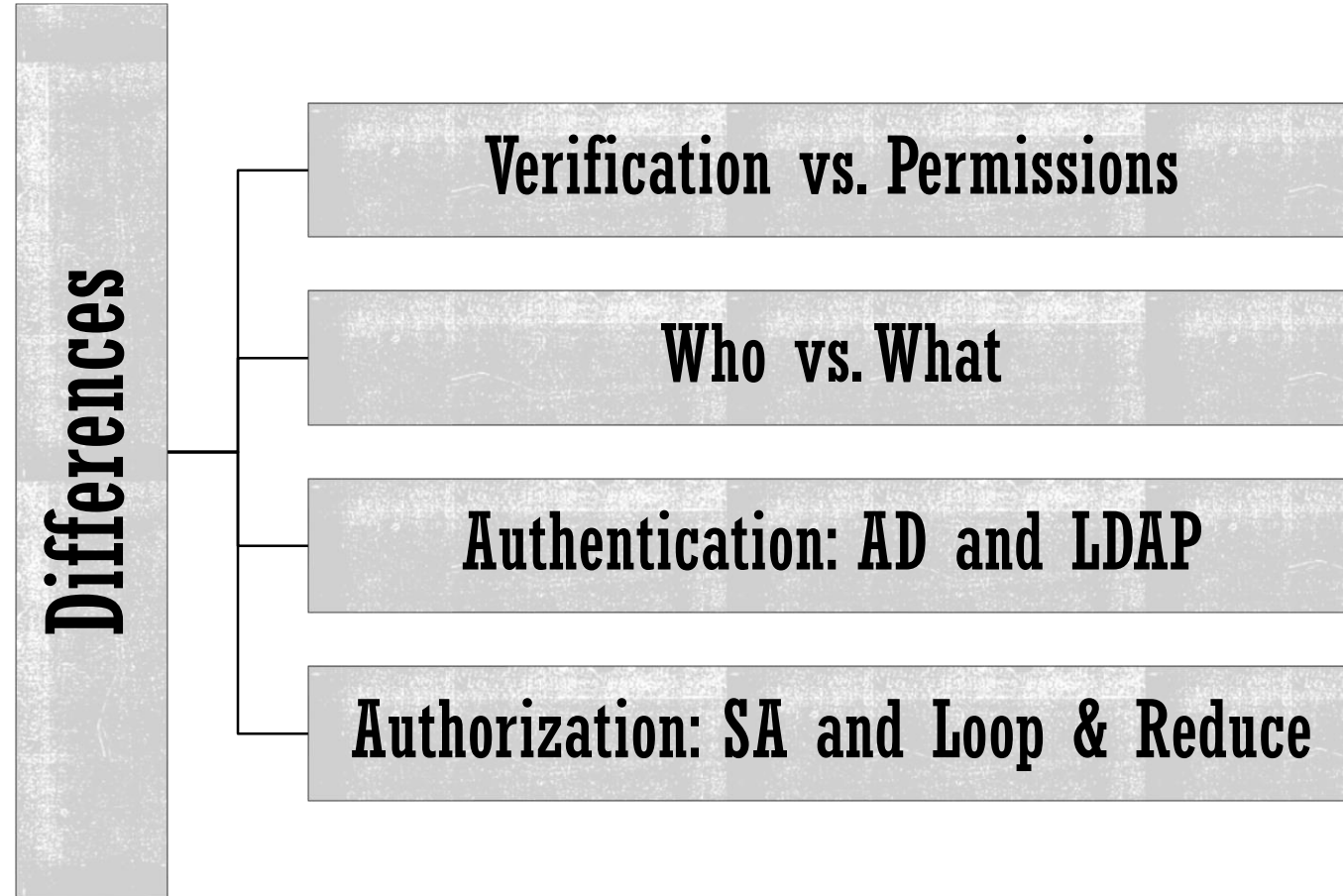




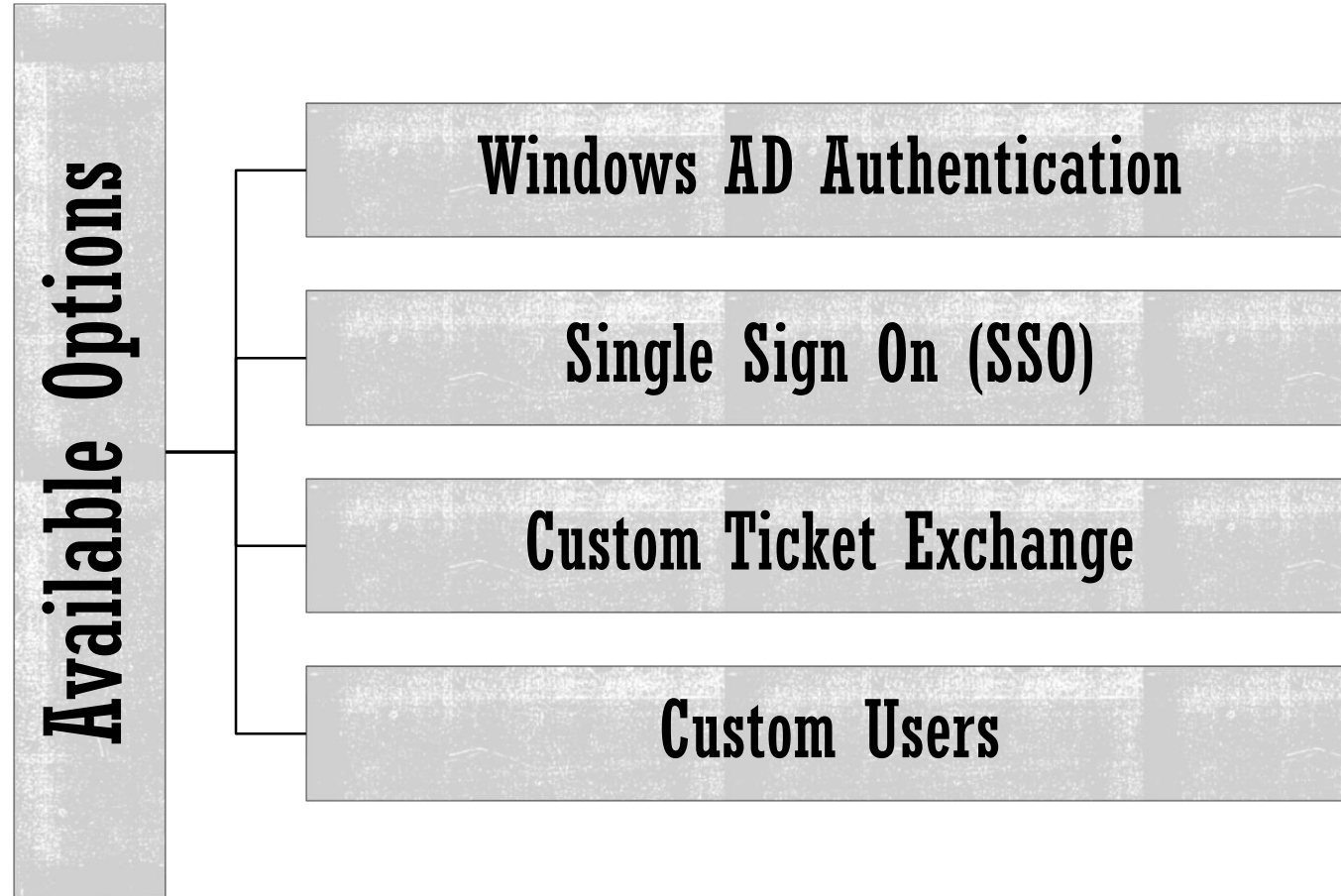
# QlikView Security Workflow



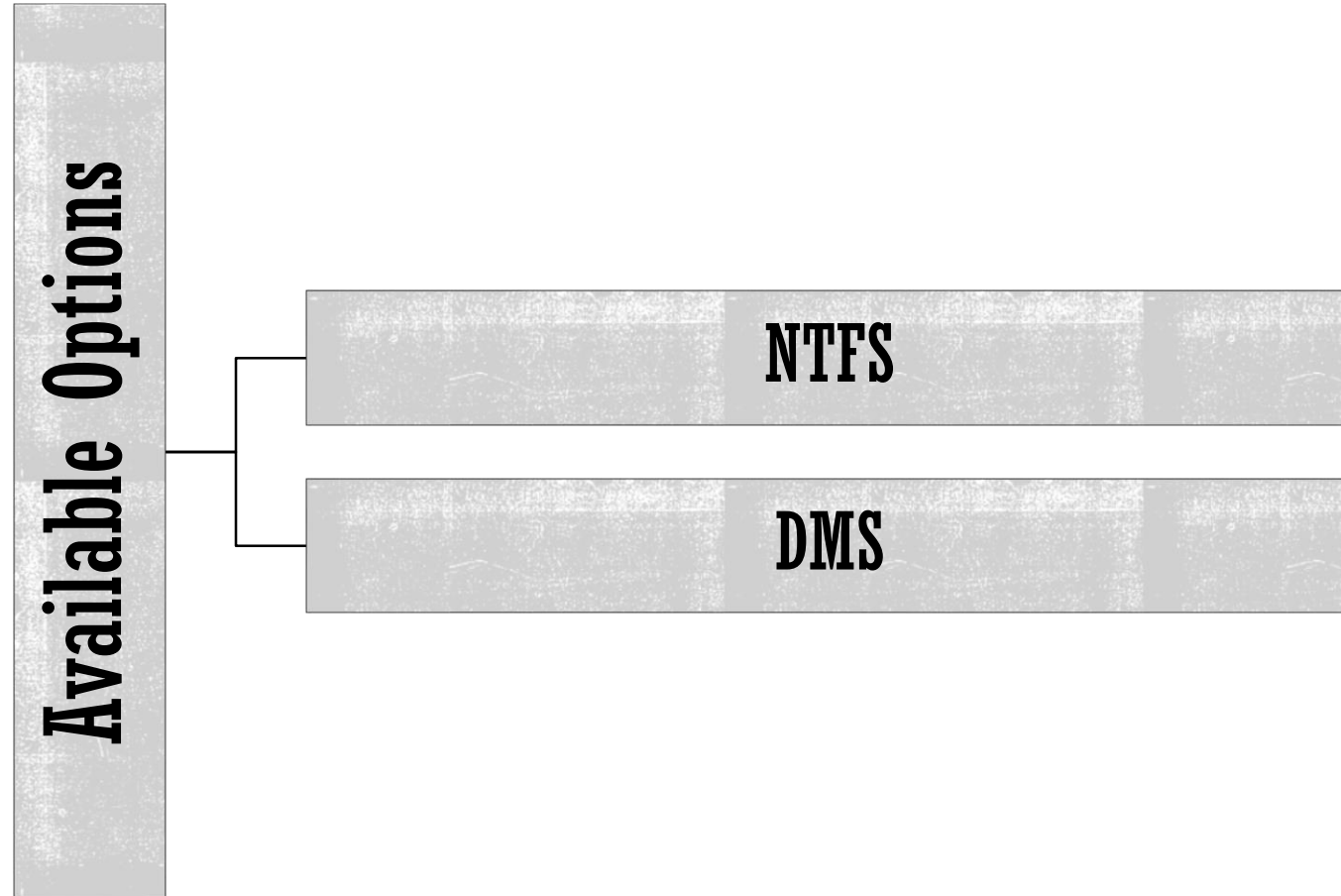
# Authentication vs. Authorization



# QlikView Authentication

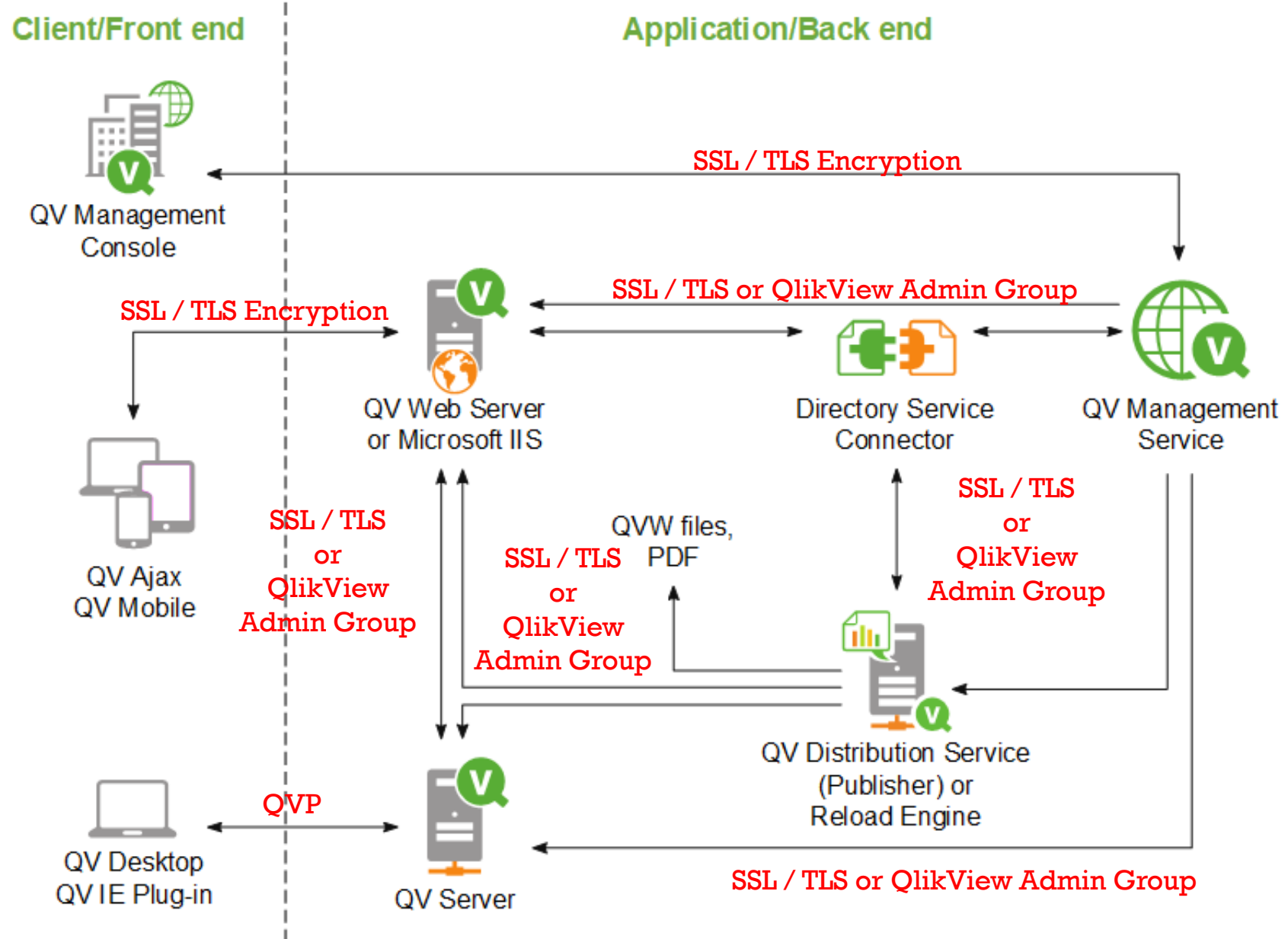


# QlikView Authorization

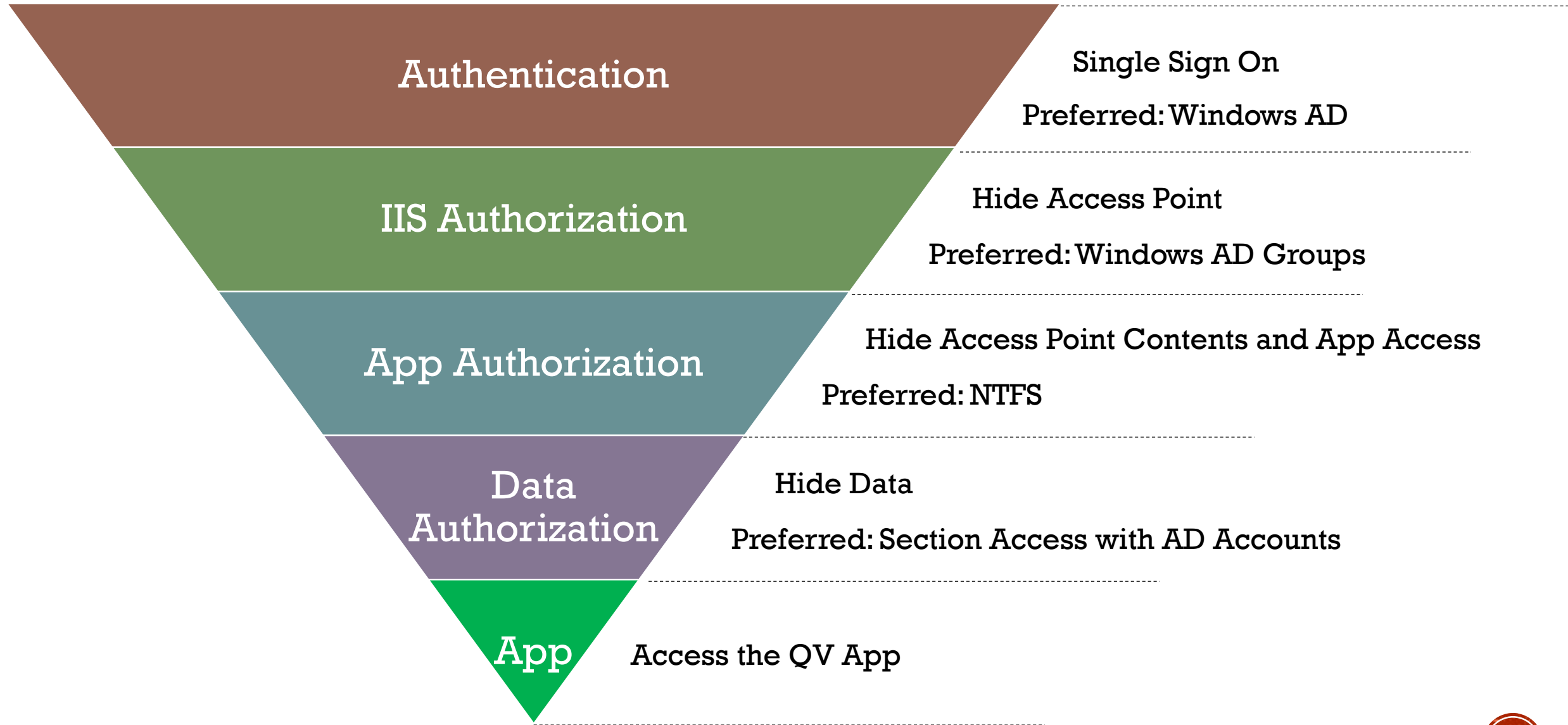




# QlikView Security Architecture



# QlikView Layers of Security



# QlikView Ports

	Component	Inbound	Outbound
	QlikView Server (QVS)	4747 (QVP: QlikView Protocol) 4774 (QVP Tunneling) 14747 (Cluster users SOAP API) 4749 (SSL)	14747 (Cluster broadcast)
	QlikView Web Server (QVWS)	80 (HTTP) 443 (HTTPS) 4750 (SOAP API) 14750 (Certificate)	4730 (DSC SOAP API) 4735 (DSC custom users SOAP API) 4747 (QVS QVP) 4774 (QVS QVP tunnelling)
	QlikView Distribution Service (QDS)	4720 (SOAP API) 14720 (Certificate)	4730 (DSC SOAP API) 4747 (QVS QVP)
	QlikView Directory Service Connector (DSC)	4730 (SOAP API) 14730 (Certificate) 4735 (Custom users SOAP API)	
	QlikView Management Service (QMS)	4780 (HTTP) 4799 (SOAP API)	4747 (QVS QVP) 4750 (QVWS SOAP API) 14750 (QVWS Certificate) 4720 (QDS SOAP API) 14720 (QDS Certificate) 4730 (DSC SOAP API) 14730 (DSC Certificate) 4735 (DSC custom users) 4799 (Remote QMS SOAP API)

