

# Implementing SSL/TLS Communications

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# Overview



**Securing client-server communications is important**

**Understanding SSL/TLS**

**Configuring an SSL certificate for the Azure App Service**

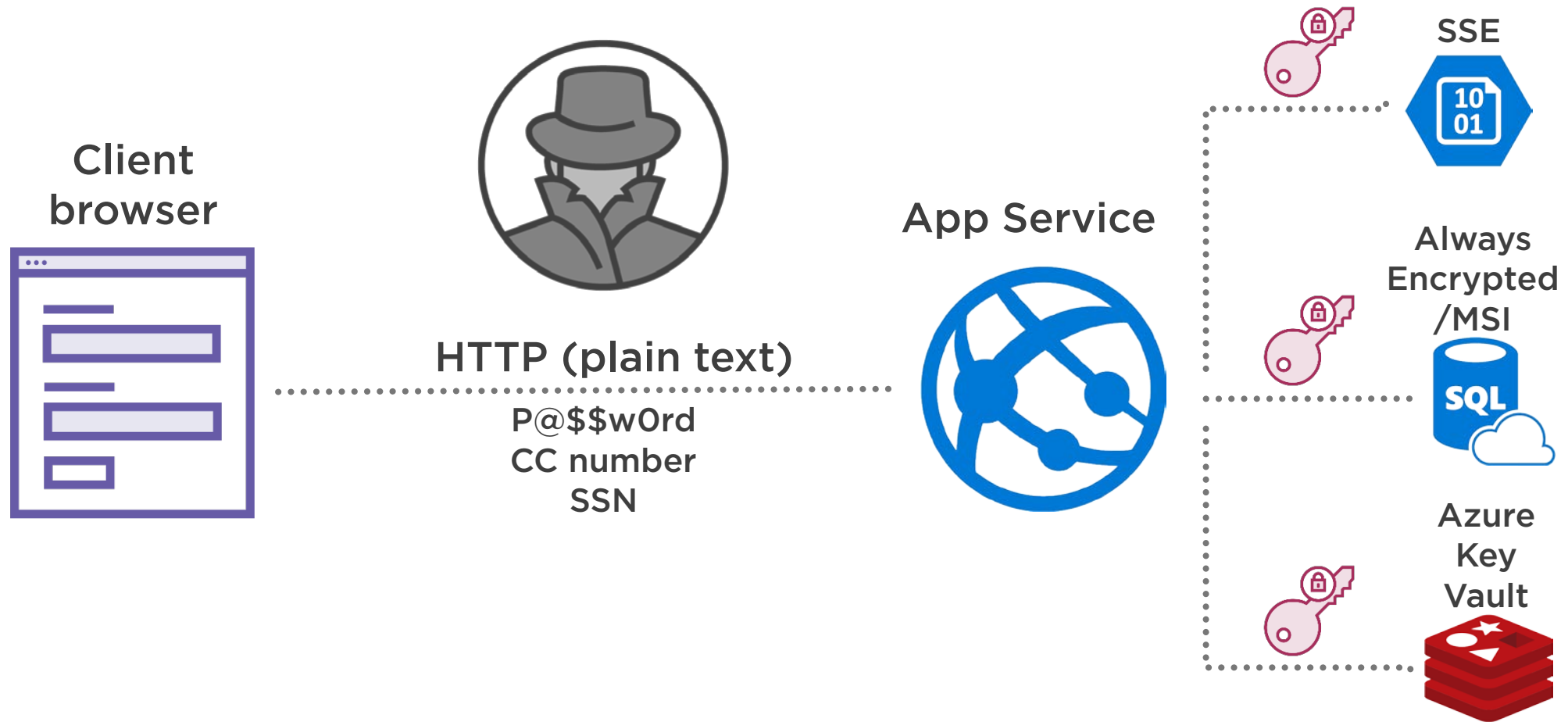
**Demo: Configuring an SSL certificate for the Azure App Service**

- In Azure Portal
- Using PowerShell
- Only allow HTTPS requests
- Redirect none HTTPS requests

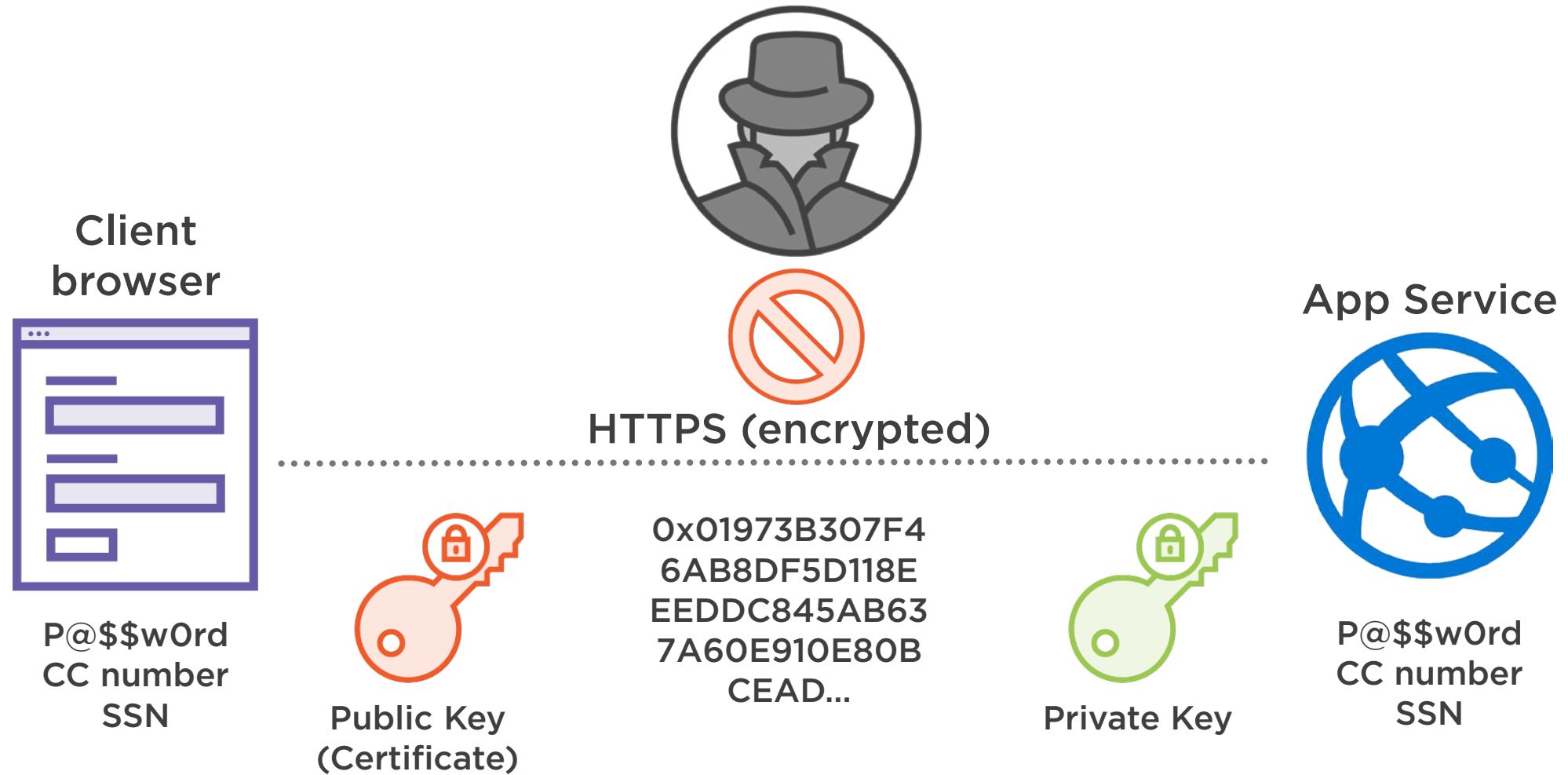
**Summary**



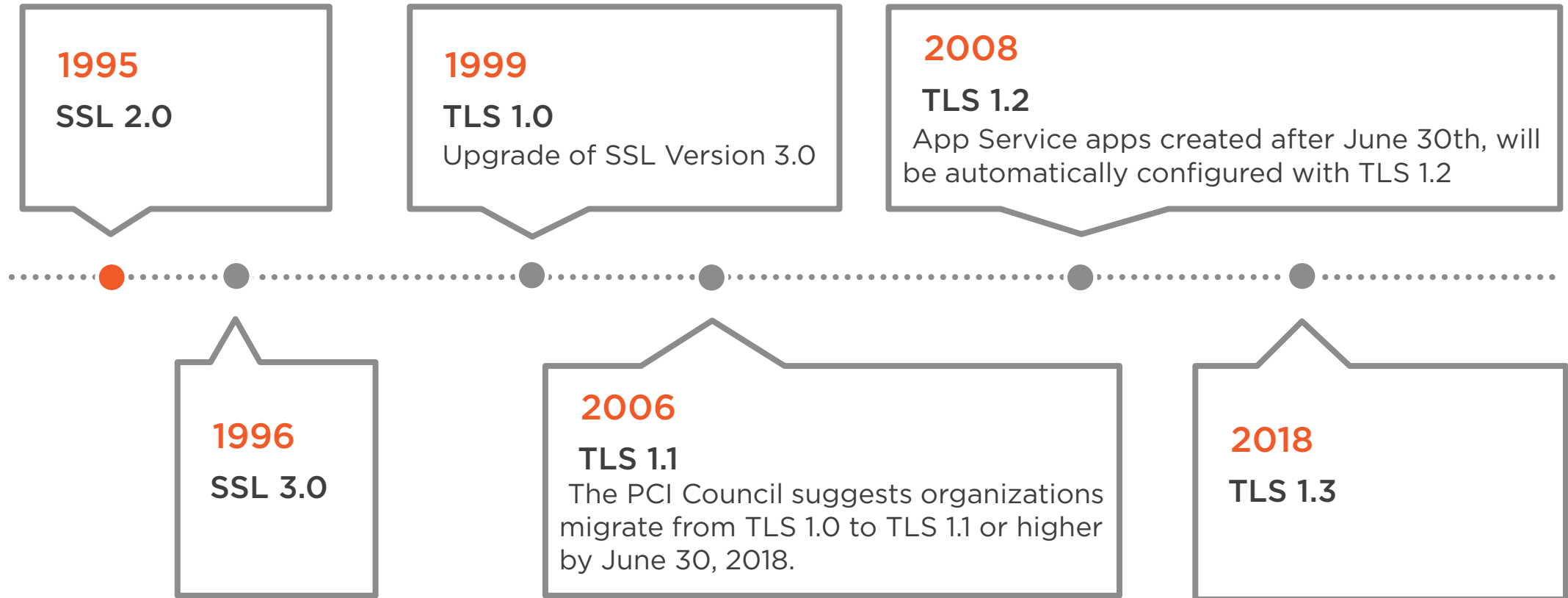
# Securing Client-Server Communications



# Understanding SSL/TLS



# SSL/TLS



App Service apps created  
after June 30<sup>th</sup> 2018, will be  
automatically configured  
with TLS 1.2



# Configuring SSL for Azure App Service



Configure your App Service to use a custom domain name



Purchase the new SSL certificate for the custom domain name in Azure Portal (can bring your certificate)



Upload the new certificate to the Azure Key Vault



Create SSL bindings in the App Service and enable HTTPS only



# Demo



Purchase an SSL certificate for our custom domain

Configuring SSL on *MyAddressBook+* App Service

- In Azure Portal
- Using PowerShell

“HTTPS Only” option

Redirecting HTTP requests to HTTPS





```
Set-AzureRmWebApp -Name $webappname -ResourceGroupName  
$webappname -HostNames  
@($cusdn, "$appname.azurewebsites.net")
```

## Configuring SSL for Custom Domain

**Add a custom domain to the App Service.**



```
New-AzureRmWebAppSSLBinding -WebAppName $webappname -  
ResourceGroupName $webappname -Name $cusdn -  
CertificateFilePath $pfxPath -CertificatePassword  
$certPassword -SslState SniEnabled
```

## Configuring SSL for Custom Domain

Bind the SSL certificate to the App Service.



# Summary



Why to secure client-server communications?

Understanding SSL/TLS

Configuring an SSL certificate for the Azure App Service

Demo: Configuring an SSL certificate for the Azure App Service

Only allow HTTPS requests

Summary

