Develop Azure Compute Solutions
  └ **1.2 Implement Azure App Service Web Apps**
      └ **1.2.4 Configure settings including TLS,API, ServiceConnections**

1. How do you enforce HTTPS (TLS) for an App Service?
2. How do you configure minimum TLS version?
3. How do you set custom domains and bind SSL certificates?
4. How do you configure API settings such as CORS?
5. How do you connect to backend services using managed identity?
6. How do you restrict outbound traffic using VNET integration?

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1. How do you enforce HTTPS (TLS) for an App Service?

`az webapp update --name <app> --resource-group <rg> `**`--https-only true`**

Redirects all HTTP traffic to HTTPS.

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2. How do you configure minimum TLS version?

`az webapp config set --name <app> --resource-group <rg> `**`--min-tls-version 1.2`**

Options: 1.0, 1.1, 1.2. Use 1.2 for compliance.

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3. How do you set custom domains and bind SSL certificates?

- Add domain:
  `az webapp config hostname add --webapp-name <app> --resource-group <rg> --hostname <custom-domain>`
- Upload and bind cert:
`az webapp config ssl upload --certificate-file cert.pfx --certificate-password <pwd> --name <app> --resource-group <rg>`
`az webapp config ssl bind --name <app> --resource-group <rg> --ssl-type SNI --certificate-thumb`

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4. How do you configure API settings such as CORS?

`az webapp cors add --name <app> --resource-group <rg> --allowed-origins https://example.com`

Use cors remove or cors show to manage rules.

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5. How do you connect to backend services using managed identity?

1. Enable identity:
   `az webapp identity assign --name <app> --resource-group <rg>`
2. Grant role to identity (e.g., Key Vault Reader):
   `az role assignment create --assignee <principal-id> --role Reader --scope <resource-id>`

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6. How do you restrict outbound traffic using VNET integration?

- Integrate with VNET (Linux apps, Standard+):
`az webapp vnet-integration add --name <app> --resource-group <rg> --vnet <vnet-name> --subnet <subnet-name>`

Restricts outbound traffic and enables access to private services.