

PingOne Training Agenda

Introduction

1. Basics of Cybersecurity. (Theory + Practical)
2. Introduction to Identity and Access Management. (Theory + Practical)
3. Overview of Identity Management. (Theory + Practical)
4. Overview of Access Management. (Theory + Practical)
5. Overview of PingIdentity Products. (Theory + Practical)
6. Introduction to PingOne. (Theory + Practical)
7. Why PingOne. (Theory + Practical)

PingOne Deployment

8. PingOne Prerequisites. (Theory + Practical)
9. PingFederate Prerequisites. (Theory + Practical)
10. Installation of JAVA. (Theory + Practical)
11. Setting up the JAVA Path. (Theory + Practical)
12. Deployment Options of PingFederate. (Theory + Practical)
13. What is Admin Node? (Theory + Practical)
14. What is Engine Node? (Theory + Practical)
15. Requirements of Ports in PingFederate. (Theory + Practical)
16. Installation of PingFederate in Windows. (Theory + Practical)
17. Overview of Dashboard in PingOne. (Theory + Practical)
18. Administration Roles in PingOne. (Theory + Practical)

LDAP Deployment (PingDirectory Installation)

19. Basics of LDAP. (Theory + Practical)
20. Overview of PingDirectory. (Theory + Practical)
21. Installation of PingDirectory. (Theory + Practical)
22. Deployment Options of PingDirectory. (Theory + Practical)
23. Installation of Apache Directory Studio. (Theory + Practical)
24. Creating the users in PingDirectory. (Theory + Practical)

LDAP Deployment (PingOne Directory)

1. Overview of PingOne LDAP. (Theory + Practical)
2. Creating the users in PingOne. (Theory + Practical)
3. Overview of Groups in PingOne. (Theory + Practical)
4. Overview of User Attributes in PingOne. (Theory + Practical)

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5. What is Populations in PingOne. (Theory + Practical)

Introduction to SSO using SAML

6. Introduction to Single Sign ON. (Theory + Practical)
7. Introduction to Federated Single Sign ON. (Theory + Practical)
8. SAML Basics. (Theory + Practical)
9. SAML Workflow (Theory + Practical)
10. SAML Steps. (Theory + Practical)
11. SAML Process. (Theory + Practical)
12. SAML Components. (Theory + Practical)
13. Introduction to SP Initiated SSO. (Theory + Practical)
14. Introduction to IDP Initiated SSO (Theory + Practical)
15. Creating the SAML Applications using PingOne. (Theory + Practical)
16. Testing the SAML using the SAML Tracer. (Theory + Practical)
17. Configuring the SAML with different Attributes. (Theory + Practical)
18. Testing the IDP Initiated SSO. (Theory + Practical)
19. Testing the SP Initiated SSO. (Theory + Practical)
20. Overview of Single Logout. (Theory + Practical)
21. Testing the SLO. (Theory + Practical)
22. Overview of Certificate Signing Process. (Theory + Practical)
23. Overview of SAML Encryption Process. (Theory + Practical)
24. Testing the SAML Signing and Encryption. (Theory + Practical)

Introduction to PingOne Components

25. Overview of Policies. (Theory + Practical)
26. Configuring the Policies. (Theory + Practical)
27. Overview of Password Management in PingOne. (Theory + Practical)
28. Configuring the Password Management. (Theory + Practical)
29. Configuring the MFA in policies. (Theory + Practical)
30. What is FIDO Authentication. (Theory + Practical)
31. Configuring the FIDO Authentication. (Theory + Practical)

Introduction to Extra Components in PingOne

32. Configuring the External IDP's in PingOne. (Theory + Practical)
33. Configuring the Google as the External IDP. (Theory + Practical)
34. Configuring the Gateway in PingOne. (Theory + Practical)

PingOne Training Agenda

- 35. Enabling the communication between the PingDirectory to PingOne. (Theory + Practical)
- 36. What is Webhooks? (Theory + Practical)
- 37. Configuring the Webhooks. (Theory + Practical)
- 38. Establishing the communication between PingFederate and PingOne. (Theory + Practical)

Introduction to SSO using the OAuth/OIDC

- 39. Overview of OAuth and OpenID (Theory + Practical)
- 40. Why OAuth is Used? (Theory + Practical)
- 41. Advantages of OAuth? (Theory + Practical)
- 42. Is OAuth Mandatory? (Theory + Practical)
- 43. OAuth Workflow. (Theory + Practical)
- 44. OIDC Workflow. (Theory + Practical)
- 45. Overview of Grant Types (Theory + Practical)
- 46. Overview of Authorization Code (Theory + Practical)
- 47. Overview of Implicit (Theory + Practical)
- 48. Overview of Client Credentials (Theory + Practical)
- 49. Overview of Resource Owner (Theory + Practical)
- 50. Overview of Authorization Code with PKCE Method. (Theory + Practical)
- 51. Overview of Refresh Token. (Theory + Practical)
- 52. Overview of Access Token Validation. (Theory + Practical)
- 53. OAuth Endpoints. (Theory + Practical)
- 54. OAuth Components. (Theory + Practical)
- 55. OAuth Steps. (Theory + Practical)
- 56. Configuring the OAuth clients (Theory + Practical)
- 57. Working of Different Grant Types (Theory + Practical)
- 58. Testing of Different Grant Types. (Theory + Practical)
- 59. Overview of Tools used in OAuth (Theory + Practical)
- 60. Postman (Theory + Practical)
- 61. YARC (Theory + Practical)
- 62. Working/Testing of Authorization Code Grant Type. (Theory + Practical)
- 63. Working/Testing of Implicit Grant Type. (Theory + Practical)
- 64. Working/Testing of Client Credentials. (Theory + Practical)
- 65. Working/Testing of Resource Owner Password Credentials. (Theory + Practical)
- 66. Working/Testing of Refresh Token Grant Type (Theory + Practical)
- 67. Working/Testing of Authorization Code with PKCE Method (Theory + Practical)
- 68. Working/Testing of Access Token Validation (Theory + Practical)

Monitoring in PingOne

- 69. Certificate options in PingOne. (Theory + Practical)

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- 70. Types of Certificates used in PingOne. (Theory + Practical)
- 71. Logs in PingOne. (Theory + Practical)
- 72. How to troubleshoot the issues in PingOne using Logs. (Theory + Practical)
- 73. Types of Logs. (Theory + Practical)
- 74. Interview Questions. (Theory + Practical)