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Top 300 Azure Sentinel Used Cases KQL (Kusto Query Language) queries.

1. Failed login attempts:

SecurityEvent

| where EventID == 4625

2. Successful login attempts:

SecurityEvent

| where EventID == 4624

3. Brute-force attacks:

SecurityEvent

| where EventID == 4625

| summarize count() by TargetUserName

| where count_ > <threshold>

4. Account lockouts:

SecurityEvent

| where EventID == 4740

5. User account changes:

SecurityEvent

| where EventID == 4738 or EventID == 4720

6. Privileged account usage:

SecurityEvent

| where EventID in (4672, 4673, 4688) and AccountType == 'User'

7. Suspicious process execution:

SecurityEvent

| where EventID == 4688 and InitiatingProcessCommandLine has_any ('powershell.exe', 'cmd.exe')

8. Data exfiltration:

SecurityEvent

| where EventID == 5145 and AccessMask == '0x2'

9. Network traffic anomalies:

SecurityAlert

| where ProviderName == 'MicrosoftNetworkProtection' and AlertType == 'AnomalousNetworkTraffic'

10. Malware detection:

SecurityAlert

| where ProviderName == 'MicrosoftDefenderATP' and AlertType == 'MalwareDetection'

11. DDoS attacks:

SecurityAlert

| where ProviderName == 'DDoSProtection' and AlertType == 'DDoSGeneric'

12. Suspicious PowerShell activity:

SecurityEvent

| where EventID == 4104 and (CommandLine has_any ('Invoke-Expression', 'Invoke-Script', 'iex'))

13. Unusual account behavior:

SecurityEvent

| where EventID == 4724 or EventID == 4725

14. Privilege escalation attempts:

SecurityEvent

| where EventID == 4672 and NewProcessName contains 'cmd.exe'

15. Failed service principal logins:

AuditLogs

| where OperationName == 'Sign-in by service principal' and ResultType == 'failure'

16. Suspicious Azure AD sign-ins:

AuditLogs

| where ActivityDisplayName == 'Sign-in' and ResultType == 'failure'

17. Unusual lateral movement:

SecurityEvent

| where EventID == 4624 and LogonType == 3

18. Azure resource modifications:

AzureActivity

| where OperationName == 'Microsoft.Resources/subscriptions/resourcegroups/write'

19. Unusual DNS queries:

DnsEvents

| where QueryType == 'A' and isnotempty(QueryName) and notstartswith(QueryName, 'Microsoft')

20. Data access by unusual IP addresses:

SecurityEvent

| where EventID == 4663 and (SourceAddress notlike 'x.x.x.x' and SourceAddress notlike 'y.y.y.y')

21. Large data exports:

AuditLogs

| where OperationName == 'Export' and ResultType == 'success'

22. Unusual process creation:

SecurityEvent

| where EventID == 4688 and (NewProcessParentName != 'C:\Windows\System32\svchost.exe')

23. Suspicious Azure VM operations:

AzureActivity

| where ResourceType == 'Microsoft.Compute/virtualMachines' and OperationName in ('Microsoft.Compute/virtualMachines/write', 'Microsoft.Compute/virtualMachines/delete')

24. Failed SQL Database access attempts:

SecurityEvent

| where EventID == 18456 and LogonType == 8

25. Azure AD user password changes:

AuditLogs

| where ActivityDisplayName == 'Password reset' and ResultType == 'success'

26. Account enumeration attempts:

SecurityEvent

| where EventID == 4625 and FailureReason == 3221225578

27. Suspicious Azure Storage operations:

AzureActivity

| where ResourceType == 'Microsoft.Storage/storageAccounts' and OperationName in ('Microsoft.Storage/storageAccounts/write', 'Microsoft.Storage/storageAccounts/delete')

28. Suspicious PowerShell modules loaded:

SecurityEvent

| where EventID == 4104 and (ParentImage contains 'powershell.exe') or Image contains 'powershell.exe')

29. Failed Exchange mailbox login attempts:

SecurityEvent

| where EventID == 4625 and LogonType == 10

30. Suspicious Azure Key Vault access:

AuditLogs

| where ActivityDisplayName == 'Access granted to Key Vault' and ResultType == 'success'

31. Unusual VPN logins:

SecurityEvent

| where EventID == 4647 and LogonType == 21

32. Failed RDP login attempts:

SecurityEvent

| where EventID == 4625 and LogonType == 10

33. Suspicious Azure Function operations:

AzureActivity

| where ResourceType == 'Microsoft.Web/sites/functions' and OperationName in ('Microsoft.Web/sites/functions/write', 'Microsoft.Web/sites/functions/delete')

34. Unusual Azure AD application registrations:

AuditLogs

| where ActivityDisplayName == 'Add an application' and ResultType == 'success'

35. Suspicious network port scans:

SecurityEvent

| where EventID == 5156 and Port >= 1 and Port <= 1024

36. Failed Azure VM login attempts:

AzureActivity

| where ResourceType == 'Microsoft.Compute/virtualMachines' and OperationName == 'Microsoft.Compute/virtualMachines/login/action'

37. Unusual Azure NSG rule modifications:

AzureActivity

| where ResourceType == 'Microsoft.Network/networkSecurityGroups/securityRules' and OperationName in ('Microsoft.Network/networkSecurityGroups/securityRules/write', 'Microsoft.Network/networkSecurityGroups/securityRules/delete')

38. Unusual Azure AD group modifications:

AuditLogs

| where ActivityDisplayName == 'Add member to group' and ResultType == 'success'

39. Suspicious Azure Data Factory operations:

AzureActivity

| where ResourceType == 'Microsoft.DataFactory/factories' and OperationName in ('Microsoft.DataFactory/factories/write', 'Microsoft.DataFactory/factories/delete')

40. Unusual Azure Key Vault secret accesses:

AuditLogs

| where ActivityDisplayName == 'Get secret' and ResultType == 'success'

41. Suspicious Azure Logic Apps operations:

AzureActivity

| where ResourceType == 'Microsoft.Logic/workflows' and OperationName in ('Microsoft.Logic/workflows/write', 'Microsoft.Logic/workflows/delete')

42. Unusual Azure AD role assignments:

AuditLogs

| where ActivityDisplayName == 'Add role assignment' and ResultType == 'success'

43. Suspicious Azure Event Grid operations:

AzureActivity

| where ResourceType == 'Microsoft.EventGrid/topics' and OperationName in ('Microsoft.EventGrid/topics/write', 'Microsoft.EventGrid/topics/delete')

44. Unusual Azure AD application role assignments:

AuditLogs

| where ActivityDisplayName == 'Add app role assignment' and ResultType == 'success'

45. Suspicious Azure Service Bus operations:

AzureActivity

| where ResourceType == 'Microsoft.ServiceBus/namespaces' and OperationName in ('Microsoft.ServiceBus/namespaces/write', 'Microsoft.ServiceBus/namespaces/delete')

46. Failed Azure Function execution attempts:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Error'

47. Unusual Azure AD guest user additions:

AuditLogs

| where ActivityDisplayName == 'Invite user' and ResultType == 'success'

48. Suspicious Azure Event Hub operations:

AzureActivity

| where ResourceType == 'Microsoft.EventHub/namespaces' and OperationName in ('Microsoft.EventHub/namespaces/write', 'Microsoft.EventHub/namespaces/delete')

49. Unusual Azure AD risky sign-ins:

AuditLogs

| where ActivityDisplayName == 'Risky sign-in detected' and ResultType == 'success'

50. Suspicious Azure IoT Hub operations:

AzureActivity

| where ResourceType == 'Microsoft.Devices/IotHubs' and OperationName in ('Microsoft.Devices/IotHubs/write', 'Microsoft.Devices/IotHubs/delete')

51. Unusual Azure AD administrator role assignments:

AuditLogs

| where ActivityDisplayName == 'Add member to role' and ResultType == 'success'

52. Suspicious Azure Container Registry operations:

AzureActivity

| where ResourceType == 'Microsoft.ContainerRegistry/registries' and OperationName in ('Microsoft.ContainerRegistry/registries/write', 'Microsoft.ContainerRegistry/registries/delete')

53. Failed Azure Logic App execution attempts:

AzureDiagnostics

| where Category == 'LogicAppRuntime' and Level == 'Error'

54. Unusual Azure AD password reset attempts:

AuditLogs

| where ActivityDisplayName == 'Self-service password reset' and ResultType == 'failure'

55. Suspicious Azure Kubernetes Service operations:

AzureActivity

| where ResourceType == 'Microsoft.ContainerService/managedClusters' and OperationName in ('Microsoft.ContainerService/managedClusters/write', 'Microsoft.ContainerService/managedClusters/delete')

56. Failed Azure API Management operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Error'

57. Unusual Azure AD consent grants:

AuditLogs

| where ActivityDisplayName == 'Grant OAuth2 permissions' and ResultType == 'success'

58. Suspicious Azure Batch operations:

AzureActivity

| where ResourceType == 'Microsoft.Batch/batchAccounts' and OperationName in ('Microsoft.Batch/batchAccounts/write', 'Microsoft.Batch/batchAccounts/delete')

59. Failed Azure Monitor Alert actions:

AzureDiagnostics

| where Category == 'Platform' and Level == 'Error'

60. Unusual Azure AD OAuth application consents:

AuditLogs

| where ActivityDisplayName == 'Consent to application' and ResultType == 'success'

61. Suspicious Azure HDInsight operations:

AzureActivity

| where ResourceType == 'Microsoft.HDInsight/clusters' and OperationName in ('Microsoft.HDInsight/clusters/write', 'Microsoft.HDInsight/clusters/delete')

62. Failed Azure Key Vault access attempts:

AzureDiagnostics

| where Category == 'KeyVault' and Level == 'Error'

63. Unusual Azure AD domain role assignments:

AuditLogs

| where ActivityDisplayName == 'Add member to directory role' and ResultType == 'success'

64. Suspicious Azure Media Services operations:

AzureActivity

| where ResourceType == 'Microsoft.Media/mediaservices' and OperationName in ('Microsoft.Media/mediaservices/write', 'Microsoft.Media/mediaservices/delete')

65. Failed Azure Front Door operations:

AzureDiagnostics

| where Category == 'Frontdoor' and Level == 'Error'

66. Unusual Azure AD B2B guest user additions:

AuditLogs

| where ActivityDisplayName == 'Invite guest user' and ResultType == 'success'

67. Suspicious Azure Machine Learning operations:

AzureActivity

| where ResourceType == 'Microsoft.MachineLearningServices/workspaces' and OperationName in ('Microsoft.MachineLearningServices/workspaces/write',

'Microsoft.MachineLearningServices/workspaces/delete')

68. Failed Azure API Gateway operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Error'

69. Unusual Azure AD B2C user sign-ups:

AuditLogs

| where ActivityDisplayName == 'Sign up user' and ResultType == 'success'

70. Suspicious Azure Managed Identity operations:

AzureActivity

| where ResourceType == 'Microsoft.ManagedIdentity/userAssignedIdentities' and OperationName in ('Microsoft.ManagedIdentity/userAssignedIdentities/write',

'Microsoft.ManagedIdentity/userAssignedIdentities/delete')

71. Failed Azure Data Factory operations:

AzureDiagnostics

| where Category == 'DataFactoryPipelineRuns' and Level == 'Error'

72. Unusual Azure AD B2C user password resets:

AuditLogs

| where ActivityDisplayName == 'Self-service password reset' and ResultType == 'success'

73. Suspicious Azure CDN operations:

AzureActivity

| where ResourceType == 'Microsoft.Cdn/profiles' and OperationName in ('Microsoft.Cdn/profiles/write', 'Microsoft.Cdn/profiles/delete')

74. Failed Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Error'

75. Unusual Azure AD B2C user profile updates:

AuditLogs

| where ActivityDisplayName == 'Update user' and ResultType == 'success'

76. Suspicious Azure Logic App runs:

AzureDiagnostics

| where Category == 'LogicAppRuns' and Level == 'Error'

77. Failed Azure Key Vault secret access attempts:

AzureDiagnostics

| where Category == 'KeyVault' and Level == 'Error'

78. Unusual Azure DevOps pipeline modifications:

AzureActivity

| where ResourceType == 'Microsoft.DevOps/pipelines' and OperationName in ('Microsoft.DevOps/pipelines/write', 'Microsoft.DevOps/pipelines/delete')

79. Suspicious Azure SQL Database operations:

AzureActivity

| where ResourceType == 'Microsoft.Sql/servers/databases' and OperationName in ('Microsoft.Sql/servers/databases/write', 'Microsoft.Sql/servers/databases/delete')

80. Failed Azure Container Registry operations:

AzureDiagnostics

| where Category == 'ContainerRegistry' and Level == 'Error'

81. Unusual Azure API Management service modifications:

AzureActivity

| where ResourceType == 'Microsoft.ApiManagement/service' and OperationName in ('Microsoft.ApiManagement/service/write', 'Microsoft.ApiManagement/service/delete')

82. Suspicious Azure Cognitive Services operations:

AzureActivity

| where ResourceType == 'Microsoft.CognitiveServices/accounts' and OperationName in ('Microsoft.CognitiveServices/accounts/write', 'Microsoft.CognitiveServices/accounts/delete')

83. Failed Azure Batch operations:

AzureDiagnostics

| where Category == 'BatchAccountLogs' and Level == 'Error'

84. Unusual Azure Data Lake operations:

AzureActivity

| where ResourceType == 'Microsoft.DataLakeStore/accounts' and OperationName in ('Microsoft.DataLakeStore/accounts/write', 'Microsoft.DataLakeStore/accounts/delete')

85. Suspicious Azure Search service modifications:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/search/searchServices/write', 'Microsoft.Search/searchServices/delete')

86. Failed Azure IoT Hub operations:

AzureDiagnostics

| where Category == 'lotHubD2CLogs' and Level == 'Error'

87. Unusual Azure Data Explorer (ADX) cluster operations:

AzureActivity

| where ResourceType == 'Microsoft.Kusto/clusters' and OperationName in ('Microsoft.Kusto/clusters/write', 'Microsoft.Kusto/clusters/delete')

88. Suspicious Azure Cache for Redis operations:

AzureActivity

| where ResourceType == 'Microsoft.Cache/redis' and OperationName in ('Microsoft.Cache/redis/write', 'Microsoft.Cache/redis/delete')

89. Failed Azure Kubernetes Service operations:

AzureDiagnostics

| where Category == 'KubeApiServerAuditLogs' and Level == 'Error'

90. Unusual Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Warning'

91. Suspicious Azure Databricks operations:

AzureActivity

| where ResourceType == 'Microsoft.Databricks/workspaces' and OperationName in ('Microsoft.Databricks/workspaces/write', 'Microsoft.Databricks/workspaces/delete')

92. Failed Azure API Management service operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Warning'

93. Unusual Azure Bot Service modifications:

AzureActivity

| where ResourceType == 'Microsoft.BotService/botServices' and OperationName in ('Microsoft.BotService/botServices/write', 'Microsoft.BotService/botServices/delete')

94. Suspicious Azure SQL Database operations:

AzureActivity

| where ResourceType == 'Microsoft.Sql/servers/databases' and OperationName in ('Microsoft.Sql/servers/databases/write', 'Microsoft.Sql/servers/databases/delete')

95. Failed Azure Container Instance operations:

AzureDiagnostics

| where Category == 'ContainerInstanceLogs' and Level == 'Warning'

96. Unusual Azure API Management API modifications:

AzureActivity

| where ResourceType == 'Microsoft.ApiManagement/service/apis' and OperationName in ('Microsoft.ApiManagement/service/apis/write', 'Microsoft.ApiManagement/service/apis/delete')

97. Suspicious Azure Cognitive Search operations:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/search/searchServices/write', 'Microsoft.Search/searchServices/delete')

98. Failed Azure Batch operations:

AzureDiagnostics

| where Category == 'BatchAccountLogs' and Level == 'Warning'

99. Unusual Azure Data Factory pipeline executions:

AzureDiagnostics

| where Category == 'DataFactoryPipelineRuns' and Level == 'Warning'

100. Suspicious Azure Notification Hubs operations:

AzureActivity

| where ResourceType == 'Microsoft.NotificationHubs/namespaces' and OperationName in ('Microsoft.NotificationHubs/namespaces/write', 'Microsoft.NotificationHubs/namespaces/delete')

101. Failed Azure Event Hubs operations:

AzureDiagnostics

| where Category == 'EventHub' and Level == 'Warning'

102. Unusual Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Information'

103. Suspicious Azure HDInsight operations:

AzureActivity

| where ResourceType == 'Microsoft.HDInsight/clusters' and OperationName in ('Microsoft.HDInsight/clusters/write', 'Microsoft.HDInsight/clusters/delete')

104. Failed Azure Key Vault access attempts:

AzureDiagnostics

| where Category == 'KeyVault' and Level == 'Warning'

105. Unusual Azure Kubernetes Service operations:

AzureActivity

| where ResourceType == 'Microsoft.ContainerService/managedClusters' and OperationName in ('Microsoft.ContainerService/managedClusters/write',
Microsoft.ContainerService/managedClusters/delete')

106. Suspicious Azure Logic Apps operations:

AzureActivity

| where ResourceType == 'Microsoft.Logic/workflows' and OperationName in ('Microsoft.Logic/workflows/write', 'Microsoft.Logic/workflows/delete')

107. Failed Azure Monitor Alert actions:

AzureDiagnostics

| where Category == 'Platform' and Level == 'Warning'

108. Unusual Azure Media Services operations:

AzureActivity

| where ResourceType == 'Microsoft.Media/mediaservices' and OperationName in ('Microsoft.Media/mediaservices/write', 'Microsoft.Media/mediaservices/delete')

109. Suspicious Azure API Gateway operations:

AzureActivity

| where ResourceType == 'Microsoft.ApiGateway/service' and OperationName in ('Microsoft.ApiGateway/service/write', 'Microsoft.ApiGateway/service/delete')

110. Failed Azure Logic App execution attempts:

AzureDiagnostics

| where Category == 'LogicAppRuntime' and Level == 'Warning'

111. Unusual Azure AD password reset attempts:

AuditLogs

| where ActivityDisplayName == 'Self-service password reset' and ResultType == 'failure'

112. Suspicious Azure Stream Analytics operations:

AzureActivity

| where ResourceType == 'Microsoft.StreamAnalytics/streamingjobs' and OperationName in ('Microsoft.StreamAnalytics/streamingjobs/write', 'Microsoft.StreamAnalytics/streamingjobs/delete')

113. Failed Azure SQL Database operations:

AzureDiagnostics

| where Category == 'SQLSecurityAuditEvents' and Level == 'Warning'

114. Unusual Azure AD guest user additions:

AuditLogs

| where ActivityDisplayName == 'Invite user' and ResultType == 'success

115. Suspicious Azure CDN operations:

AzureActivity

| where ResourceType == 'Microsoft.Cdn/profiles' and OperationName in ('Microsoft.Cdn/profiles/write', 'Microsoft.Cdn/profiles/delete')

116. Failed Azure Monitor Alert actions:

AzureDiagnostics

| where Category == 'Platform' and Level == 'Warning'

117. Unusual Azure AD B2B guest user additions:

AuditLogs

| where ActivityDisplayName == 'Invite guest user' and ResultType == 'success'

118. Suspicious Azure Redis Cache operations:

AzureActivity

| where ResourceType == 'Microsoft.Cache/redis' and OperationName in ('Microsoft.Cache/redis/write', 'Microsoft.Cache/redis/delete')

119. Failed Azure Front Door operations:

AzureDiagnostics

| where Category == 'Frontdoor' and Level == 'Warning'

120. Unusual Azure AD B2B user sign-ins:

AuditLogs

| where ActivityDisplayName == 'B2B user sign-in' and ResultType == 'success'

121. Suspicious Azure Search service modifications:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/searchServices/write', 'Microsoft.Search/searchServices/delete')

122. Failed Azure Data Lake operations:

AzureDiagnostics

| where Category == 'DataLakeStoreLogs' and Level == 'Warning'

123. Unusual Azure AD B2B user password resets:

AuditLogs

| where ActivityDisplayName == 'Self-service password reset' and ResultType == 'success'

124. Suspicious Azure Machine Learning operations:

AzureActivity

| where ResourceType == 'Microsoft.MachineLearningServices/workspaces' and OperationName in ('Microsoft.MachineLearningServices/workspaces/write',

'Microsoft.MachineLearningServices/workspaces/delete')

125. Failed Azure API Gateway operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Warning'

126. Unusual Azure AD B2B user profile updates:

AuditLogs

| where ActivityDisplayName == 'Update user' and ResultType == 'success'

127. Suspicious Azure Logic App runs:

AzureDiagnostics

| where Category == 'LogicAppRuns' and Level == 'Warning'

128. Failed Azure Key Vault secret access attempts:

AzureDiagnostics

| where Category == 'KeyVault' and Level == 'Warning'

129. Unusual Azure DevOps pipeline modifications:

AzureActivity

| where ResourceType == 'Microsoft.DevOps/pipelines' and OperationName in ('Microsoft.DevOps/pipelines/write', 'Microsoft.DevOps/pipelines/delete')

130. Suspicious Azure SQL Database operations:

AzureActivity

| where ResourceType == 'Microsoft.Sql/servers/databases' and OperationName in ('Microsoft.Sql/servers/databases/write', 'Microsoft.Sql/servers/databases/delete')

131. Failed Azure Container Registry operations:

AzureDiagnostics

| where Category == 'ContainerRegistry' and Level == 'Warning'

132. Unusual Azure API Management service modifications:

AzureActivity

| where ResourceType == 'Microsoft.ApiManagement/service' and OperationName in ('Microsoft.ApiManagement/service/write', 'Microsoft.ApiManagement/service/delete')

133. Suspicious Azure Cognitive Services operations:

AzureActivity

| where ResourceType == 'Microsoft.CognitiveServices/accounts' and OperationName in ('Microsoft.CognitiveServices/accounts/write', 'Microsoft.CognitiveServices/accounts/delete')

134. Failed Azure Batch operations:

AzureDiagnostics

| where Category == 'BatchAccountLogs' and Level == 'Warning'

135. Unusual Azure Data Lake operations:

AzureActivity

| where ResourceType == 'Microsoft.DataLakeStore/accounts' and OperationName in ('Microsoft.DataLakeStore/accounts/write', 'Microsoft.DataLakeStore/accounts/delete')

136. Suspicious Azure Search service modifications:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/search/searchServices/write', 'Microsoft.Search/searchServices/delete')

137. Failed Azure IoT Hub operations:

AzureDiagnostics

| where Category == 'lotHubD2CLogs' and Level == 'Warning'

138. Unusual Azure Data Explorer (ADX) cluster operations:

AzureActivity

| where ResourceType == 'Microsoft.Kusto/clusters' and OperationName in ('Microsoft.Kusto/clusters/write', 'Microsoft.Kusto/clusters/delete')

139. Suspicious Azure Cache for Redis operations:

AzureActivity

| where ResourceType == 'Microsoft.Cache/redis' and OperationName in ('Microsoft.Cache/redis/write', 'Microsoft.Cache/redis/delete')

140. Failed Azure Kubernetes Service operations:

AzureDiagnostics

| where Category == 'KubeApiServerAuditLogs' and Level == 'Warning'

141. Unusual Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Error'

142. Suspicious Azure Databricks operations:

AzureActivity

| where ResourceType == 'Microsoft.Databricks/workspaces' and OperationName in ('Microsoft.Databricks/workspaces/write', 'Microsoft.Databricks/workspaces/delete')

143. Failed Azure API Management service operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Error'

144. Unusual Azure Bot Service modifications:

AzureActivity

| where ResourceType == 'Microsoft.BotService/botServices' and OperationName in ('Microsoft.BotService/botServices/write', 'Microsoft.BotService/botServices/delete')

145. Suspicious Azure SQL Database operations:

AzureActivity

| where ResourceType == 'Microsoft.Sql/servers/databases' and OperationName in ('Microsoft.Sql/servers/databases/write', 'Microsoft.Sql/servers/databases/delete')

146. Failed Azure Container Instance operations:

AzureDiagnostics

| where Category == 'ContainerInstanceLogs' and Level == 'Error'

147. Unusual Azure API Management API modifications:

AzureActivity

| where ResourceType == 'Microsoft.ApiManagement/service/apis' and OperationName in ('Microsoft.ApiManagement/service/apis/write', 'Microsoft.ApiManagement/service/apis/delete')

148. Suspicious Azure Cognitive Search operations:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/search/searchServices/write', 'Microsoft.Search/searchServices/delete')

149. Failed Azure Batch operations:

AzureDiagnostics

| where Category == 'BatchAccountLogs' and Level == 'Error'

150. Unusual Azure Data Factory pipeline executions:

AzureDiagnostics

| where Category == 'DataFactoryPipelineRuns' and Level == 'Error'

151. Suspicious Azure Notification Hubs operations:

AzureActivity

| where ResourceType == 'Microsoft.NotificationHubs/namespaces' and OperationName in ('Microsoft.NotificationHubs/namespaces/write', 'Microsoft.NotificationHubs/namespaces/delete')

152. Failed Azure Event Hubs operations:

AzureDiagnostics

| where Category == 'EventHub' and Level == 'Error'

153. Unusual Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Information'

154. Suspicious Azure HDInsight operations:

AzureActivity

| where ResourceType == 'Microsoft.HDInsight/clusters' and OperationName in ('Microsoft.HDInsight/clusters/write', 'Microsoft.HDInsight/clusters/delete')

155. Failed Azure Key Vault access attempts:

AzureDiagnostics

| where Category == 'KeyVault' and Level == 'Error'

156. Unusual Azure Kubernetes Service operations:

AzureActivity

| where ResourceType == 'Microsoft.ContainerService/managedClusters' and OperationName in ('Microsoft.ContainerService/managedClusters/write',

'Microsoft.ContainerService/managedClusters/delete')

157. Suspicious Azure Logic Apps operations:

AzureActivity

| where ResourceType == 'Microsoft.Logic/workflows' and OperationName in ('Microsoft.Logic/workflows/write', 'Microsoft.Logic/workflows/delete')

158. Failed Azure Monitor Alert actions:

AzureDiagnostics

| where Category == 'Platform' and Level == 'Error'

159. Unusual Azure Media Services operations:

AzureActivity

| where ResourceType == 'Microsoft.Media/mediaservices' and OperationName in ('Microsoft.Media/mediaservices/write', 'Microsoft.Media/mediaservices/delete')

160. Suspicious Azure API Gateway operations:

AzureActivity

| where ResourceType == 'Microsoft.ApiGateway/service' and OperationName in ('Microsoft.ApiGateway/service/write', 'Microsoft.ApiGateway/service/delete')

161. Failed Azure Logic App execution attempts:

AzureDiagnostics

| where Category == 'LogicAppRuntime' and Level == 'Error'

162. Unusual Azure AD password reset attempts:

AuditLogs

| where ActivityDisplayName == 'Self-service password reset' and ResultType == 'failure'

163. Suspicious Azure Stream Analytics operations:

AzureActivity

| where ResourceType == 'Microsoft.StreamAnalytics/streamingjobs' and OperationName in ('Microsoft.StreamAnalytics/streamingjobs/write', 'Microsoft.StreamAnalytics/streamingjobs/delete')

164. Failed Azure SQL Database operations:

AzureDiagnostics

| where Category == 'SQLSecurityAuditEvents' and Level == 'Error'

165. Unusual Azure AD guest user additions:

AuditLogs

| where ActivityDisplayName == 'Invite user' and ResultType == 'success'

166. Suspicious Azure CDN operations:

AzureActivity

| where ResourceType == 'Microsoft.Cdn/profiles' and OperationName in ('Microsoft.Cdn/profiles/write', 'Microsoft.Cdn/profiles/delete')

167. Failed Azure Monitor Alert actions:

AzureDiagnostics

| where Category == 'Platform' and Level == 'Error'

168. Unusual Azure AD B2B guest user additions:

AuditLogs

| where ActivityDisplayName == 'Invite guest user' and ResultType == 'success'

169. Suspicious Azure Redis Cache operations:

AzureActivity

| where ResourceType == 'Microsoft.Cache/redis' and OperationName in ('Microsoft.Cache/redis/write', 'Microsoft.Cache/redis/delete')

170. Failed Azure Front Door operations:

AzureDiagnostics

| where Category == 'Frontdoor' and Level == 'Error'

171. Unusual Azure AD B2B user sign-ins:

AuditLogs

| where ActivityDisplayName == 'B2B user sign-in' and ResultType == 'success'

172. Suspicious Azure Search service modifications:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/searchServices/write', 'Microsoft.Search/searchServices/delete')

173. Failed Azure Data Lake operations:

AzureDiagnostics

| where Category == 'DataLakeStoreLogs' and Level == 'Error'

174. Unusual Azure AD B2B user password resets:

AuditLogs

| where ActivityDisplayName == 'Self-service password reset' and ResultType == 'success'

175. Suspicious Azure Machine Learning operations:

AzureActivity

| where ResourceType == 'Microsoft.MachineLearningServices/workspaces' and OperationName in ('Microsoft.MachineLearningServices/workspaces/write',

'Microsoft.MachineLearningServices/workspaces/delete')

176. Failed Azure API Gateway operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Error'

177. Unusual Azure AD B2B user profile updates:

AuditLogs

| where ActivityDisplayName == 'Update user' and ResultType == 'success'

178. Suspicious Azure Logic App runs:

AzureDiagnostics

| where Category == 'LogicAppRuns' and Level == 'Error'

179. Failed Azure Key Vault secret access attempts:

AzureDiagnostics

| where Category == 'KeyVault' and Level == 'Error'

180. Unusual Azure DevOps pipeline modifications:

AzureActivity

| where ResourceType == 'Microsoft.DevOps/pipelines' and OperationName in ('Microsoft.DevOps/pipelines/write', 'Microsoft.DevOps/pipelines/delete')

181. Suspicious Azure SQL Database operations:

AzureActivity

| where ResourceType == 'Microsoft.Sql/servers/databases' and OperationName in ('Microsoft.Sql/servers/databases/write', 'Microsoft.Sql/servers/databases/delete')

182. Failed Azure Container Registry operations:

AzureDiagnostics

| where Category == 'ContainerRegistry' and Level == 'Error'

183. Unusual Azure API Management service modifications:

AzureActivity

| where ResourceType == 'Microsoft.ApiManagement/service' and OperationName in ('Microsoft.ApiManagement/service/write', 'Microsoft.ApiManagement/service/delete')

184. Suspicious Azure Cognitive Services operations:

AzureActivity

| where ResourceType == 'Microsoft.CognitiveServices/accounts' and OperationName in ('Microsoft.CognitiveServices/accounts/write', 'Microsoft.CognitiveServices/accounts/delete')

185. Failed Azure Batch operations:

AzureDiagnostics

| where Category == 'BatchAccountLogs' and Level == 'Error'

186. Unusual Azure Data Lake operations:

AzureActivity

| where ResourceType == 'Microsoft.DataLakeStore/accounts' and OperationName in ('Microsoft.DataLakeStore/accounts/write', 'Microsoft.DataLakeStore/accounts/delete')

187. Suspicious Azure Search service modifications:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/search/searchServices/write', 'Microsoft.Search/searchServices/delete')

188. Failed Azure IoT Hub operations:

AzureDiagnostics

| where Category == 'lotHubD2CLogs' and Level == 'Error'

189. Unusual Azure Data Explorer (ADX) cluster operations:

AzureActivity

| where ResourceType == 'Microsoft.Kusto/clusters' and OperationName in ('Microsoft.Kusto/clusters/write', 'Microsoft.Kusto/clusters/delete')

190. Suspicious Azure Cache for Redis operations:

AzureActivity

| where ResourceType == 'Microsoft.Cache/redis' and OperationName in ('Microsoft.Cache/redis/write', 'Microsoft.Cache/redis/delete')

191. Failed Azure Kubernetes Service operations:

AzureDiagnostics

| where Category == 'KubeApiServerAuditLogs' and Level == 'Error'

192. Unusual Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Warning'

193. Suspicious Azure Databricks operations:

AzureActivity

| where ResourceType == 'Microsoft.Databricks/workspaces' and OperationName in ('Microsoft.Databricks/workspaces/write', 'Microsoft.Databricks/workspaces/delete')

194. Failed Azure API Management service operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Warning'

195. Unusual Azure Bot Service modifications:

AzureActivity

| where ResourceType == 'Microsoft.BotService/botServices' and OperationName in ('Microsoft.BotService/botServices/write', 'Microsoft.BotService/botServices/delete')

196. Suspicious Azure SQL Database operations:

AzureActivity

| where ResourceType == 'Microsoft.Sql/servers/databases' and OperationName in ('Microsoft.Sql/servers/databases/write', 'Microsoft.Sql/servers/databases/delete')

197. Failed Azure Container Instance operations:

AzureDiagnostics

| where Category == 'ContainerInstanceLogs' and Level == 'Warning'

198. Unusual Azure API Management API modifications:

AzureActivity

| where ResourceType == 'Microsoft.ApiManagement/service/apis' and OperationName in ('Microsoft.ApiManagement/service/apis/write', 'Microsoft.ApiManagement/service/apis/delete')

199. Suspicious Azure Cognitive Search operations:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/searchServices/write', 'Microsoft.Search/searchServices/delete')

200. Failed Azure Batch operations:

AzureDiagnostics

| where Category == 'BatchAccountLogs' and Level == 'Warning'

201. Unusual Azure Data Factory pipeline executions:

AzureDiagnostics

| where Category == 'DataFactoryPipelineRuns' and Level == 'Warning'

202. Suspicious Azure Notification Hubs operations:

AzureActivity

| where ResourceType == 'Microsoft.NotificationHubs/namespaces' and OperationName in ('Microsoft.NotificationHubs/namespaces/write', 'Microsoft.NotificationHubs/namespaces/delete')

203. Failed Azure Event Hubs operations:

AzureDiagnostics

| where Category == 'EventHub' and Level == 'Warning'

204. Unusual Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Information'

205. Suspicious Azure HDInsight operations:

AzureActivity

| where ResourceType == 'Microsoft.HDInsight/clusters' and OperationName in ('Microsoft.HDInsight/clusters/write', 'Microsoft.HDInsight/clusters/delete')

206. Failed Azure Key Vault access attempts:

AzureDiagnostics

| where Category == 'KeyVault' and Level == 'Warning'

207. Unusual Azure Kubernetes Service operations:

AzureActivity

| where ResourceType == 'Microsoft.ContainerService/managedClusters' and OperationName in ('Microsoft.ContainerService/managedClusters/write',

'Microsoft.ContainerService/managedClusters/delete')

208. Suspicious Azure Logic Apps operations:

AzureActivity

| where ResourceType == 'Microsoft.Logic/workflows' and OperationName in ('Microsoft.Logic/workflows/write', 'Microsoft.Logic/workflows/delete')

209. Failed Azure Monitor Alert actions:

AzureDiagnostics

| where Category == 'Platform' and Level == 'Warning'

210. Unusual Azure Media Services operations:

AzureActivity

| where ResourceType == 'Microsoft.Media/mediaservices' and OperationName in ('Microsoft.Media/mediaservices/write', 'Microsoft.Media/mediaservices/delete')

211. Suspicious Azure API Gateway operations:

AzureActivity

| where ResourceType == 'Microsoft.ApiGateway/service' and OperationName in ('Microsoft.ApiGateway/service/write', 'Microsoft.ApiGateway/service/delete')

212. Failed Azure Logic App execution attempts:

AzureDiagnostics

| where Category == 'LogicAppRuntime' and Level == 'Warning'

213. Unusual Azure AD password reset attempts:

AuditLogs

| where ActivityDisplayName == 'Self-service password reset' and ResultType == 'failure'

214. Suspicious Azure Stream Analytics operations:

AzureActivity

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215. Failed Azure SQL Database operations:

AzureDiagnostics

| where Category == 'SQLSecurityAuditEvents' and Level == 'Warning'

216. Unusual Azure AD guest user additions:

AuditLogs

| where ActivityDisplayName == 'Invite user' and ResultType == 'success'

217. Suspicious Azure CDN operations:

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218. Failed Azure Monitor Alert actions:

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219. Unusual Azure AD B2B guest user additions:

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AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/search/searchServices/write', 'Microsoft.Search/searchServices/delete')

224. Failed Azure Data Lake operations:

AzureDiagnostics

| where Category == 'DataLakeStoreLogs' and Level == 'Warning'

225. Unusual Azure AD B2B user password resets:

AuditLogs

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226. Suspicious Azure Machine Learning operations:

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| where ResourceType == 'Microsoft.MachineLearningServices/workspaces' and OperationName in ('Microsoft.MachineLearningServices/workspaces/write',

'Microsoft.MachineLearningServices/workspaces/delete')

227. Failed Azure API Gateway operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Warning'

228. Unusual Azure AD B2B user profile updates:

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| where ActivityDisplayName == 'Update user' and ResultType == 'success'

229. Suspicious Azure Logic App runs:

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232. Suspicious Azure SQL Database operations:

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237. Unusual Azure Data Lake operations:

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242. Failed Azure Kubernetes Service operations:

AzureDiagnostics

| where Category == 'KubeApiServerAuditLogs' and Level == 'Warning'

243. Unusual Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Error'

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248. Failed Azure Container Instance operations:

AzureDiagnostics

| where Category == 'ContainerInstanceLogs' and Level == 'Error'

249. Unusual Azure API Management API modifications:

AzureActivity

| where ResourceType == 'Microsoft.ApiManagement/service/apis' and OperationName in ('Microsoft.ApiManagement/service/apis/write', 'Microsoft.ApiManagement/service/apis/delete')

250. Suspicious Azure Cognitive Search operations:

AzureActivity

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251. Failed Azure Batch operations:

AzureDiagnostics

| where Category == 'BatchAccountLogs' and Level == 'Error'

252. Unusual Azure Data Factory pipeline executions:

AzureDiagnostics

| where Category == 'DataFactoryPipelineRuns' and Level == 'Error'

253. Suspicious Azure Notification Hubs operations:

AzureActivity

| where ResourceType == 'Microsoft.NotificationHubs/namespaces' and OperationName in ('Microsoft.NotificationHubs/namespaces/write', 'Microsoft.NotificationHubs/namespaces/delete')

254. Failed Azure Event Hubs operations:

AzureDiagnostics

| where Category == 'EventHub' and Level == 'Error'

255. Unusual Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Warning'

256. Suspicious Azure HDInsight operations:

AzureActivity

| where ResourceType == 'Microsoft.HDInsight/clusters' and OperationName in ('Microsoft.HDInsight/clusters/write', 'Microsoft.HDInsight/clusters/delete')

257. Failed Azure Key Vault access attempts:

AzureDiagnostics

| where Category == 'KeyVault' and Level == 'Error'

258. Unusual Azure Kubernetes Service operations:

AzureActivity

| where ResourceType == 'Microsoft.ContainerService/managedClusters' and OperationName in ('Microsoft.ContainerService/managedClusters/write',

'Microsoft.ContainerService/managedClusters/delete')

259. Suspicious Azure Logic Apps operations:

AzureActivity

| where ResourceType == 'Microsoft.Logic/workflows' and OperationName in ('Microsoft.Logic/workflows/write', 'Microsoft.Logic/workflows/delete')

260. Failed Azure Monitor Alert actions:

AzureDiagnostics

| where Category == 'Platform' and Level == 'Error'

261. Unusual Azure Media Services operations:

AzureActivity

| where ResourceType == 'Microsoft.Media/mediaservices' and OperationName in ('Microsoft.Media/mediaservices/write', 'Microsoft.Media/mediaservices/delete')

262. Suspicious Azure API Gateway operations:

AzureActivity

| where ResourceType == 'Microsoft.ApiGateway/service' and OperationName in ('Microsoft.ApiGateway/service/write', 'Microsoft.ApiGateway/service/delete')

263. Failed Azure Logic App execution attempts:

AzureDiagnostics

| where Category == 'LogicAppRuntime' and Level == 'Error'

264. Unusual Azure AD password reset attempts:

AuditLogs

| where ActivityDisplayName == 'Self-service password reset' and ResultType == 'failure'

265. Suspicious Azure Stream Analytics operations:

AzureActivity

| where ResourceType == 'Microsoft.StreamAnalytics/streamingjobs' and OperationName in ('Microsoft.StreamAnalytics/streamingjobs/write', 'Microsoft.StreamAnalytics/streamingjobs/delete')

266. Failed Azure SQL Database operations:

AzureDiagnostics

| where Category == 'SQLSecurityAuditEvents' and Level == 'Error'

267. Unusual Azure AD guest user additions:

AuditLogs

| where ActivityDisplayName == 'Invite user' and ResultType == 'success'

268. Suspicious Azure CDN operations:

AzureActivity

| where ResourceType == 'Microsoft.Cdn/profiles' and OperationName in ('Microsoft.Cdn/profiles/write', 'Microsoft.Cdn/profiles/delete')

269. Failed Azure Monitor Alert actions:

AzureDiagnostics

| where Category == 'Platform' and Level == 'Error'

270. Unusual Azure AD B2B guest user additions:

AuditLogs

| where ActivityDisplayName == 'Invite guest user' and ResultType == 'success'

271. Suspicious Azure Redis Cache operations:

AzureActivity

| where ResourceType == 'Microsoft.Cache/redis' and OperationName in ('Microsoft.Cache/redis/write', 'Microsoft.Cache/redis/delete')

272. Failed Azure Front Door operations:

zureDiagnostics

| where Category == 'Frontdoor' and Level == 'Error'

273. Unusual Azure AD B2B user sign-ins:

AuditLogs

| where ActivityDisplayName == 'B2B user sign-in' and ResultType == 'success'

274. Suspicious Azure Search service modifications:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/searchServices/write', 'Microsoft.Search/searchServices/delete')

275. Failed Azure Data Lake operations:

AzureDiagnostics

| where Category == 'DataLakeStoreLogs' and Level == 'Error'

276. Unusual Azure AD B2B user password resets:

AuditLogs

| where ActivityDisplayName == 'Self-service password reset' and ResultType == 'success'

277. Suspicious Azure Machine Learning operations:

AzureActivity

| where ResourceType == 'Microsoft.MachineLearningServices/workspaces' and OperationName in ('Microsoft.MachineLearningServices/workspaces/write',

'Microsoft.MachineLearningServices/workspaces/delete')

278. Failed Azure API Gateway operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Error'

279. Unusual Azure AD B2B user profile updates:

AuditLogs

| where ActivityDisplayName == 'Update user' and ResultType == 'success'

280. Suspicious Azure Logic App runs:

AzureDiagnostics

| where Category == 'LogicAppRuns' and Level == 'Error'

281. Failed Azure Key Vault secret access attempts:

AzureDiagnostics

| where Category == 'KeyVault' and Level == 'Error'

282. Unusual Azure DevOps pipeline modifications:

AzureActivity

| where ResourceType == 'Microsoft.DevOps/pipelines' and OperationName in ('Microsoft.DevOps/pipelines/write', 'Microsoft.DevOps/pipelines/delete')

283. Suspicious Azure SQL Database operations:

AzureActivity

| where ResourceType == 'Microsoft.Sql/servers/databases' and OperationName in ('Microsoft.Sql/servers/databases/write', 'Microsoft.Sql/servers/databases/delete')

284. Failed Azure Container Registry operations:

AzureDiagnostics

| where Category == 'ContainerRegistry' and Level == 'Error'

285. Unusual Azure API Management service modifications:

AzureActivity

| where ResourceType == 'Microsoft.ApiManagement/service' and OperationName in ('Microsoft.ApiManagement/service/write', 'Microsoft.ApiManagement/service/delete')

286. Suspicious Azure Cognitive Services operations:

AzureActivity

| where ResourceType == 'Microsoft.CognitiveServices/accounts' and OperationName in ('Microsoft.CognitiveServices/accounts/write', 'Microsoft.CognitiveServices/accounts/delete')

287. Failed Azure Batch operations:

AzureDiagnostics

| where Category == 'BatchAccountLogs' and Level == 'Error'

288. Unusual Azure Data Lake operations:

AzureActivity

| where ResourceType == 'Microsoft.DataLakeStore/accounts' and OperationName in ('Microsoft.DataLakeStore/accounts/write', 'Microsoft.DataLakeStore/accounts/delete')

289. Suspicious Azure Search service modifications:

AzureActivity

| where ResourceType == 'Microsoft.Search/searchServices' and OperationName in ('Microsoft.Search/search/searchServices/write', 'Microsoft.Search/searchServices/delete')

290. Failed Azure IoT Hub operations:

AzureDiagnostics

| where Category == 'IotHubD2CLogs' and Level == 'Error'

291. Unusual Azure Data Explorer (ADX) cluster operations:

AzureActivity

| where ResourceType == 'Microsoft.Kusto/clusters' and OperationName in ('Microsoft.Kusto/clusters/write', 'Microsoft.Kusto/clusters/delete')

292. Suspicious Azure Cache for Redis operations:

AzureActivity

| where ResourceType == 'Microsoft.Cache/redis' and OperationName in ('Microsoft.Cache/redis/write', 'Microsoft.Cache/redis/delete')

293. Failed Azure Kubernetes Service operations:

AzureDiagnostics

| where Category == 'KubeApiServerAuditLogs' and Level == 'Error'

294. Unusual Azure Functions executions:

AzureDiagnostics

| where Category == 'FunctionAppLogs' and Level == 'Error'

295. Suspicious Azure Databricks operations:

AzureActivity

| where ResourceType == 'Microsoft.Databricks/workspaces' and OperationName in ('Microsoft.Databricks/workspaces/write', 'Microsoft.Databricks/workspaces/delete')

296. Failed Azure API Management service operations:

AzureDiagnostics

| where Category == 'ApiManagementGatewayLogs' and Level == 'Error'

297. Unusual Azure Bot Service modifications:

AzureActivity

| where ResourceType == 'Microsoft.BotService/botServices' and OperationName in ('Microsoft.BotService/botServices/write', 'Microsoft.BotService/botServices/delete')

298. Suspicious Azure SQL Database operations:

AzureActivity

| where ResourceType == 'Microsoft.Sql/servers/databases' and OperationName in ('Microsoft.Sql/servers/databases/write', 'Microsoft.Sql/servers/databases/delete')

299. Failed Azure Container Instance operations:

AzureDiagnostics

| where Category == 'ContainerInstanceLogs' and Level == 'Error'

300. Unusual Azure API Management API modifications: AzureActivity | where ResourceType == 'Microsoft.ApiManagement/service/apis' and OperationName in ('Microsoft.ApiManagement/service/apis/write', 'Microsoft.ApiManagement/service/apis/delete')

Important Note: Monitor and analyze various activities in Azure Sentinel. Also adjust the KQL queries based on your specific configuration and naming conventions.