Device: 192.168.15.43:80

Test time: 2019-04-20 21:29:44.749606

1.Test: GetCapabilities(Device)

● GetCapabilities is supported

● Test Feature: None

● Response: "(Capabilities){\n Analytics = \n (AnalyticsCapabilities){\n XAddr = \"http://192.168.15.43:80/onvif/analytics\"\n RuleSupport = False\n AnalyticsModuleSupport = False\n }\n Device = \n (DeviceCapabilities){\n XAddr = \"http://192.168.15.43:80/onvif/device_service\"\n Network = \n (NetworkCapabilities){\n IPFilter = False\n ZeroConfiguration = False\n IPVersion6 = False\n DynDNS = False\n Extension = \n (NetworkCapabilitiesExtension){\n Dot11Configuration[] = \n \"false\",\n Extension[] = \n (Extension){\n DHCPv6[] = \n \"true\",\n Dot1XConfigurations[] = \n \"0\",\n },\n }\n }\n System = \n (SystemCapabilities){\n DiscoveryResolve = False\n DiscoveryBye = True\n RemoteDiscovery = False\n SystemBackup = False\n SystemLogging = False\n FirmwareUpgrade = False\n SupportedVersions[] = \n (OnvifVersion){\n Major = 2\n Minor = 40\n },\n (OnvifVersion){\n Major = 2\n Minor = 20\n },\n (OnvifVersion){\n Major = 2\n Minor = 10\n },\n (OnvifVersion){\n Major = 2\n Minor = 0\n },\n Extension = \n (SystemCapabilitiesExtension){\n HttpFirmwareUpgrade[] = \n \"false\",\n HttpSystemBackup[] = \n \"false\",\n HttpSystemLogging[] = \n \"false\",\n HttpSupportInformation[] = \n \"false\",\n }\n }\n IO = \n (IOCapabilities){\n InputConnectors = 1\n RelayOutputs = 1\n }\n Security = \n (SecurityCapabilities){\n TLS1.1 = False\n TLS1.2 = False\n OnboardKeyGeneration = False\n AccessPolicyConfig = False\n X.509Token = False\n SAMLToken = False\n KerberosToken = False\n RELToken = False\n Extension[] = \n (Extension){\n TLS1.0[] = \n \"false\",\n Extension[] = \n (Extension){\n Dot1X[] = \n \"false\",\n SupportedEAPMethod[] = \n \"0\",\n RemoteUserHandling[] = \n \"false\",\n },\n },\n }\n }\n Events = \n (EventCapabilities){\n XAddr = \"http://192.168.15.43:80/onvif/event\"\n WSSubscriptionPolicySupport = False\n WSPullPointSupport = True\n WSPausableSubscriptionManagerInterfaceSupport = False\n }\n Imaging = \n (ImagingCapabilities){\n XAddr = \"http://192.168.15.43:80/onvif/imaging\"\n }\n Media = \n (MediaCapabilities){\n XAddr = \"http://192.168.15.43:80/onvif/media\"\n StreamingCapabilities = \n (RealTimeStreamingCapabilities){\n RTPMulticast = False\n RTP_TCP = False\n RTP_RTSP_TCP = True\n }\n Extension[] = \n (Extension){\n ProfileCapabilities[] = \n (ProfileCapabilities){\n MaximumNumberOfProfiles[] = \n \"10\",\n },\n },\n }\n PTZ = \n (PTZCapabilities){\n XAddr = \"http://192.168.15.43:80/onvif/ptz\"\n }\n Extension = \n (CapabilitiesExtension){\n extCapabilities[] = \n (extCapabilities){\n XAddr[] = \n \"http://192.168.15.43:80/onvif/onvif_ext\",\n IOInputSupport[] = \n \"true\",\n PrivacyMaskSupport[] = \n \"true\",\n PTZ3DZoomSupport[] = \n \"false\",\n PTZPatternSupport[] = \n \"true\",\n },\n DeviceIO[] = \n (DeviceIO){\n XAddr[] = \n \"http://192.168.15.43:80/onvif/DeviceIO\",\n VideoSources[] = \n \"1\",\n VideoOutputs[] = \n \"0\",\n AudioSources[] = \n \"1\",\n AudioOutputs[] = \n \"1\",\n RelayOutputs[] = \n \"1\",\n },\n }\n }"

2.Test: GetDNS(Device)

● GetDNS is supported

● Test Feature: None

● Response: "(DNSInformation){\n FromDHCP = True\n SearchDomain[] = \n \"local\",\n DNSFromDHCP[] = \n (IPAddress){\n Type = \"IPv4\"\n IPv4Address = \"192.168.0.210\"\n },\n }"

3.Test: GetDeviceInformation(Device)

● GetDeviceInformation is supported

● Test Feature: None

● Response: "(reply){\n Manufacturer = \"onvif_test111\"\n Model = None\n FirmwareVersion = \"V2.1.1 Build 20170314122826S\"\n SerialNumber = \"0018CF58BA4C47A40B\"\n HardwareId = \"xxxxxxxxxxxxxxxxx\"\n }"

4.Test: GetDiscoveryMode(Device)

● GetDiscoveryMode is supported

● Test Feature: This operation got the discovery mode of a device

● Response: "Discoverable"

5.Test: GetEndpointReference(Device)

● GetEndpointReference is supported

● Test Feature: None

● Response: "(reply){\n GUID = None\n }"

6.Test: GetHostname(Device)

● GetHostname is supported

● Test Feature: None

● Response: "(HostnameInformation){\n FromDHCP = False\n Name = \"null\"\n }"

7.Test: GetNTP(Device)

● GetNTP is supported

● Test Feature: None

● Response: "(NTPInformation){\n FromDHCP = True\n NTPFromDHCP[] = \n (NetworkHost){\n Type = \"IPv4\"\n IPv4Address = \"216.239.35.0\"\n },\n }"

8.Test: GetNetworkDefaultGateway(Device)

● GetNetworkDefaultGateway is supported

● Test Feature: None

● Response: "(NetworkGateway){\n IPv4Address[] = \n \"192.168.15.1\",\n }"

9.Test: GetNetworkInterfaces(Device)

● Test Feature: local variable 'IPv6' referenced before assignment

10.Test: GetNetworkProtocols(Device)

● GetNetworkProtocols is supported

● Test Feature: None

● Response: "[(NetworkProtocol){\n Name = \"HTTP\"\n Enabled = True\n Port[] = \n 80,\n }, (NetworkProtocol){\n Name = \"RTSP\"\n Enabled = True\n Port[] = \n 554,\n }]"

11.Test: GetScopes(Device)

● GetScopes is supported

● Test Feature: None

● Response: "[(Scope){\n ScopeDef = \"Fixed\"\n ScopeItem = \"onvif://www.onvif.org/type/video_encoder\"\n }, (Scope){\n ScopeDef = \"Fixed\"\n ScopeItem = \"onvif://www.onvif.org/type/audio_encoder\"\n }, (Scope){\n ScopeDef = \"Fixed\"\n ScopeItem = \"onvif://www.onvif.org/Profile/Streaming\"\n }, (Scope){\n ScopeDef = \"Fixed\"\n ScopeItem = \"onvif://www.onvif.org/type/ptz\"\n }, (Scope){\n ScopeDef = \"Fixed\"\n ScopeItem = \"onvif://www.onvif.org/hardware/ipnc\"\n }, (Scope){\n ScopeDef = \"Configurable\"\n ScopeItem = \"onvif://www.onvif.org/name/Portable\"\n }, (Scope){\n ScopeDef = \"Configurable\"\n ScopeItem = \"onvif://www.onvif.org/location/MIEM%20513_2\"\n }]"

12.Test: GetServices(Device)

● GetServices is supported

● Test Feature: The DUT send a valid response in both cases(IncludeCapability)

● Response: "[(Service){\n Namespace = \"http://www.onvif.org/ver10/media/wsdl\"\n XAddr = \"http://192.168.15.43:80/onvif/media\"\n Version = \n (OnvifVersion){\n Major = 2\n Minor = 40\n }\n }, (Service){\n Namespace = \"http://www.onvif.org/ver10/events/wsdl\"\n XAddr = \"http://192.168.15.43:80/onvif/events\"\n Version = \n (OnvifVersion){\n Major = 2\n Minor = 40\n }\n }, (Service){\n Namespace = \"http://www.onvif.org/ver10/device/wsdl\"\n XAddr = \"http://192.168.15.43:80/onvif/device_service\"\n Version = \n (OnvifVersion){\n Major = 2\n Minor = 40\n }\n }, (Service){\n Namespace = \"http://www.onvif.org/ver20/imaging/wsdl\"\n XAddr = \"http://192.168.15.43:80/onvif/imaging\"\n Version = \n (OnvifVersion){\n Major = 2\n Minor = 40\n }\n }, (Service){\n Namespace = \"http://www.onvif.org/ver10/deviceIO/wsdl\"\n XAddr = \"http://192.168.15.43:80/onvif/deviceIO\"\n Version = \n (OnvifVersion){\n Major = 2\n Minor = 21\n }\n }, (Service){\n Namespace = \"http://www.onvif.org/ver20/analytics/wsdl\"\n XAddr = \"http://192.168.15.43:80/onvif/analytics\"\n Version = \n (OnvifVersion){\n Major = 2\n Minor = 40\n }\n }, (Service){\n Namespace = \"http://www.onvif.org/ver20/ptz/wsdl\"\n XAddr = \"http://192.168.15.43:80/onvif/PTZ\"\n Version = \n (OnvifVersion){\n Major = 2\n Minor = 40\n }\n }]"

13.Test: GetSupportedServices(Device)

● GetSupportedServices is supported

● Test Feature: None

● Response: [{ "name": "Devicemgmt", "supported": true }, { "name": "Media", "supported": true }, { "name": "Imaging", "supported": true }, { "name": "Analytics", "supported": true }, { "name": "PTZ", "supported": true }, { "name": "DeviceIO", "supported": true }, { "name": "Events", "supported": true }, { "name": "Replay", "supported": false }, { "name": "Recording", "supported": false }, { "name": "Search", "supported": false }, { "name": "Pullpoint", "supported": true }, { "name": "Receiver", "supported": false }]

14.Test: GetSystemDateAndTime(Device)

● GetSystemDateAndTime is supported

● Test Feature: None

● Response: "(SystemDateTime){\n DateTimeType = \"Manual\"\n DaylightSavings = False\n TimeZone = \n (TimeZone){\n TZ = \"EAT-3\"\n }\n UTCDateTime = \n (DateTime){\n Time = \n (Time){\n Hour = 18\n Minute = 28\n Second = 53\n }\n Date = \n (Date){\n Year = 2019\n Month = 4\n Day = 20\n }\n }\n LocalDateTime = \n (DateTime){\n Time = \n (Time){\n Hour = 21\n Minute = 28\n Second = 53\n }\n Date = \n (Date){\n Year = 2019\n Month = 4\n Day = 20\n }\n }\n }"

15.Test: GetSystemUris(Device)

● GetSystemUris is supported

● Test Feature: None

● Response: ""

16.Test: GetUsers(Device)

● GetUsers is supported

● Test Feature: None

● Response: "[(User){\n Username = \"admin\"\n UserLevel = \"Administrator\"\n }, (User){\n Username = \"annevonwolffen\"\n UserLevel = \"Operator\"\n }, (User){\n Username = \"lehha123451\"\n UserLevel = \"Operator\"\n }]"

17.Test: GetCompatibleConfigurations(PTZ)

● Test Feature: Unknown error: (400, u'Bad Request')

18.Test: GetConfiguration(PTZ)

● GetConfiguration is supported

● Test Feature: None

● Response: "(PTZConfiguration){\n _token = \"ptzctoken_1\"\n Name = \"ptzcname_1\"\n UseCount = 1\n NodeToken = \"node_01\"\n DefaultAbsolutePantTiltPositionSpace = \"http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace\"\n DefaultAbsoluteZoomPositionSpace = \"http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace\"\n DefaultRelativePanTiltTranslationSpace = \"http://www.onvif.org/ver10/tptz/PanTiltSpaces/TranslationGenericSpace\"\n DefaultRelativeZoomTranslationSpace = \"http://www.onvif.org/ver10/tptz/ZoomSpaces/TranslationGenericSpace\"\n DefaultContinuousPanTiltVelocitySpace = \"http://www.onvif.org/ver10/tptz/PanTiltSpaces/VelocityGenericSpace\"\n DefaultContinuousZoomVelocitySpace = \"http://www.onvif.org/ver10/tptz/ZoomSpaces/VelocityGenericSpace\"\n DefaultPTZSpeed = \n (PTZSpeed){\n PanTilt = \n (Vector2D){\n _y = 1.0\n _x = 1.0\n _space = \"http://www.onvif.org/ver10/tptz/PanTiltSpaces/GenericSpeedSpace\"\n }\n Zoom = \n (Vector1D){\n _x = 1.0\n _space = \"http://www.onvif.org/ver10/tptz/ZoomSpaces/ZoomGenericSpeedSpace\"\n }\n }\n DefaultPTZTimeout = \"PT0H10M0S\"\n }"

19.Test: GetConfigurationOptions(PTZ)

● GetConfigurationOptions is supported

● Test Feature: None

● Response: "(PTZConfigurationOptions){\n Spaces = \n (PTZSpaces){\n AbsolutePanTiltPositionSpace[] = \n (Space2DDescription){\n URI = \"http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace\"\n XRange = \n (FloatRange){\n Min = -1.0\n Max = 1.0\n }\n YRange = \n (FloatRange){\n Min = -1.0\n Max = 1.0\n }\n },\n AbsoluteZoomPositionSpace[] = \n (Space1DDescription){\n URI = \"http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace\"\n XRange = \n (FloatRange){\n Min = 0.0\n Max = 1.0\n }\n },\n RelativePanTiltTranslationSpace[] = \n (Space2DDescription){\n URI = \"http://www.onvif.org/ver10/tptz/PanTiltSpaces/TranslationGenericSpace\"\n XRange = \n (FloatRange){\n Min = -1.0\n Max = 1.0\n }\n YRange = \n (FloatRange){\n Min = -1.0\n Max = 1.0\n }\n },\n RelativeZoomTranslationSpace[] = \n (Space1DDescription){\n URI = \"http://www.onvif.org/ver10/tptz/ZoomSpaces/TranslationGenericSpace\"\n XRange = \n (FloatRange){\n Min = 0.0\n Max = 1.0\n }\n },\n ContinuousPanTiltVelocitySpace[] = \n (Space2DDescription){\n URI = \"http://www.onvif.org/ver10/tptz/PanTiltSpaces/VelocityGenericSpace\"\n XRange = \n (FloatRange){\n Min = -1.0\n Max = 1.0\n }\n YRange = \n (FloatRange){\n Min = -1.0\n Max = 1.0\n }\n },\n (Space2DDescription){\n URI = \"http://www.onvif.org/ver10/tptz/PanTiltSpaces/VelocitySpaceFOV\"\n XRange = \n (FloatRange){\n Min = -7.0\n Max = 7.0\n }\n YRange = \n (FloatRange){\n Min = -7.0\n Max = 7.0\n }\n },\n ContinuousZoomVelocitySpace[] = \n (Space1DDescription){\n URI = \"http://www.onvif.org/ver10/tptz/ZoomSpaces/VelocityGenericSpace\"\n XRange = \n (FloatRange){\n Min = -1.0\n Max = 1.0\n }\n },\n (Space1DDescription){\n URI =

\"http://www.onvif.org/ver10/tptz/ZoomSpaces/VelocitySpaceMillimeter\"\n XRange = \n (FloatRange){\n Min = -7.0\n Max = 7.0\n }\n },\n PanTiltSpeedSpace[] = \n (Space1DDescription){\n URI = \"http://www.onvif.org/ver10/tptz/PanTiltSpaces/GenericSpeedSpace\"\n XRange = \n (FloatRange){\n Min = 0.0\n Max = 1.0\n }\n },\n ZoomSpeedSpace[] = \n (Space1DDescription){\n URI = \"http://www.onvif.org/ver10/tptz/ZoomSpaces/ZoomGenericSpeedSpace\"\n XRange = \n (FloatRange){\n Min = 0.0\n Max = 1.0\n }\n },\n }\n PTZTimeout = \n (DurationRange){\n Min = \"PT0H0M0.001S\"\n Max = \"PT0H10M0S\"\n }\n }"

20.Test: GetSupportedRules(Analytics)

● Test Feature: The DUT did not send GetSupportedAnalyticsModulesResponse message

● Response: "None"

21.Test: GetSupportedAnalyticsModules(Analytics)

● Test Feature: The DUT did not send GetSupportedAnalyticsModulesResponse message

● Response: "None"

22.Test: GetServiceCapabilities(Analytics)

● Test Feature: The DUT did not send GetServiceCapabilitiesResponse message

● Response: "None"

23.Test: GetRules(Analytics)

● GetRules is supported

● Test Feature: None

● Response: "[(Config){\n _Type = \"tt:CellMotionDetector\"\n _Name = \"MyMotionDetectorRule\"\n Parameters = \n (ItemList){\n SimpleItem[] = \n (SimpleItem){\n _Name = \"MinCount\"\n _Value = \"5\"\n },\n (SimpleItem){\n _Name = \"AlarmOnDelay\"\n _Value = \"100\"\n },\n (SimpleItem){\n _Name = \"AlarmOffDelay\"\n _Value = \"100\"\n },\n (SimpleItem){\n _Name = \"ActiveCells\"\n _Value = \"MgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA\"\n },\n }\n }]"

24.Test: GetAnalyticsModules(Analytics)

● GetAnalyticsModules is supported

● Test Feature: None

● Response: "[(Config){\n _Type = \"tt:CellMotionEngine\"\n _Name = \"MyCellMotionModule\"\n Parameters = \n (ItemList){\n SimpleItem[] = \n (SimpleItem){\n _Name = \"Sensitivity\"\n _Value = \"91\"\n },\n ElementItem[] = \n (ElementItem){\n _Name = \"Layout\"\n CellLayout = \n (CellLayout){\n _Rows = \"18\"\n _Columns = \"22\"\n Transformation = \n (Transformation){\n Translate = \n (Translate){\n _y = \"-1.000000\"\n _x = \"-1.000000\"\n }\n Scale = \n (Scale){\n _y = \"0.002778\"\n _x = \"0.001563\"\n }\n }\n }\n },\n }\n }]"

25.Test: DeleteRules(Analytics)

● Test Feature: The DUT did not delete Rule MyLineDetector4

● Response: "None"