

Сравнение OPC UA серверов по дампу

1. OpenSecureChannel message

B Unified Automation

opcua.ArraySize = 0

```
<
  ResponseHeader : ResponseHeader
    Timestamp: Feb 25, 2014 18:32:09.651499800
    RequestHandle: 0
    ServiceResult: 0x00000000
  ServiceDiagnostics: DiagnosticInfo
  Array of Simple Type
    ArraySize: 0
  AdditionalHeader : ExtensionObject
    ServerProtocolVersion: 0
  SecurityToken : ChannelSecurityToken
    ServerNonce: 01
```

B OpenSCADA

opcua.ArraySize = -1

```
<
  OpenSecureChannelResponse
    ResponseHeader : ResponseHeader
      Timestamp: Feb 25, 2014 18:34:54.023904000
      RequestHandle: 0
      ServiceResult: 0x00000000
    ServiceDiagnostics: DiagnosticInfo
    Array of Simple Type
      ArraySize: -1
    AdditionalHeader : ExtensionObject
      ServerProtocolVersion: 0
    SecurityToken : ChannelSecurityToken
```

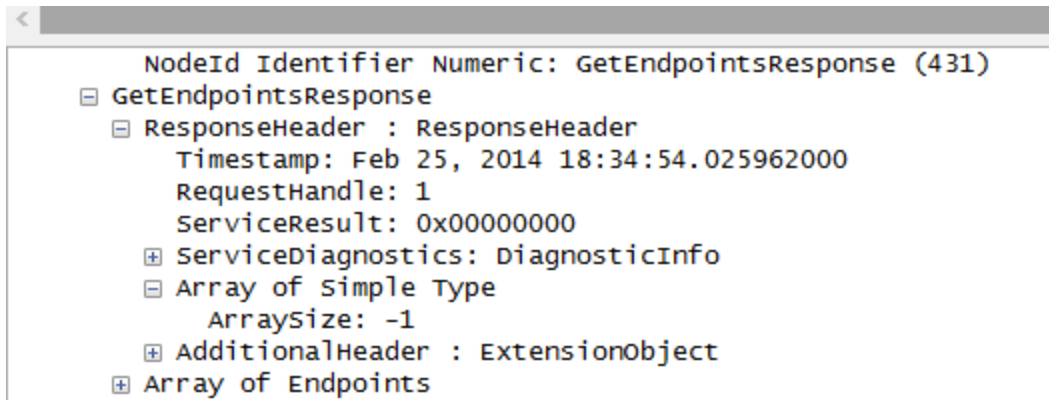
2. UA Secure Conversation Message: GetEndpointsResponse

B Unified Automation

opcua.ArraySize = 0

B OpenSCADA

opcua.ArraySize = -1



The screenshot displays a tree view of a UA Secure Conversation Message: GetEndpointsResponse (431). The root node is expanded to show its properties and sub-objects:

- GetEndpointsResponse
 - ResponseHeader : ResponseHeader
 - Timestamp: Feb 25, 2014 18:34:54.025962000
 - RequestHandle: 1
 - ServiceResult: 0x00000000
 - ServiceDiagnostics: DiagnosticInfo
 - Array of Simple Type
 - ArraySize: -1
 - AdditionalHeader : ExtensionObject
 - Array of Endpoints

3. UA Secure Conversation Message: GetEndpointsResponse

B Unified Automation

```
[0] : EndpointDescription
  EndpointUrl: opc.tcp://LenovoZ500:4841
  Server : ApplicationDescription
    ServerCertificate: 30820446308203afa0030201020204530c975b300d06092a...
    MessageSecurityMode: None (0x00000001)
    SecurityPolicyUri: http://opcfoundation.org/UA/SecurityPolicy#None
  Array of UserIdentityTokens
    ArraySize: 2
    [0] : UserTokenPolicy
    [1] : UserTokenPolicy
  TransportProfileUri: http://opcfoundation.org/UA-Profile/Transport/uatcp-uasc-uabinary
```

EndpointUrl: opc.tcp://LenovoZ500:4841
ServerCertificate: 30820446308203afa0030201020204530c975b300d06092a...
TransportProfileUri: http://opcfoundation.org/UA-Profile/Transport/uatcp-uasc-uabinary
ApplicationUri: urn:LenovoZ500:UnifiedAutomation:UaDemoserver

B OpenSCADA

```
[0] : EndpointDescription
  EndpointUrl: opc.tcp://192.168.195.97:4848/OSCADA_OPC/None
  Server : ApplicationDescription
    ServerCertificate: <MISSING>[OpcUa Null ByteString]
    MessageSecurityMode: None (0x00000001)
    SecurityPolicyUri: http://opcfoundation.org/UA/SecurityPolicy#None
  Array of UserIdentityTokens
    ArraySize: 2
    [0] : UserTokenPolicy
    [1] : UserTokenPolicy
  TransportProfileUri: [OpcUa Null String]
```

EndpointUrl: opc.tcp://192.168.195.97:4848/OSCADA_OPC/None
ServerCertificate: <MISSING>[OpcUa Null ByteString]
TransportProfileUri: [OpcUa Null String]
ApplicationUri: uri://centos97.vector/OpenSCADA/DAQ.OPC_UA