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Exam : **C2180-274**

Title : IBM WebSphere DataPower
SOA Appliances Firmware V5.0
Solution Implementation

Vendor : IBM

Version : DEMO

NO.1 A DataPower Processing Policy has been coded to use DataPower variables.

To analyze an error in one of the Rules, a solution implementer has enabled the Probe to review message content and DataPower variables. Given the data in the Probe, which one of the following shows the correct variable and scope?

- A. Context (Scope: Single processing rule) Error (Scope: Single processing rule)
- B. Context (Scope: Singletransaction) Service (Scope: Multiple transactions)
- C. Service (Scope: Single transaction) Local (Scope: Spans repeated transactions)
- D. Service (Scope: Single transaction) System (Scope: Spans repeated transactions)

Answer: D

NO.2 A solution implementer needs to integrate the following security profile.

```

<?xml version="1.0" encoding="UTF-8"?>
<wsp:Policy xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
  xmlns:sp="http://docs.oasis-open.org/ws-sx/ws-securitypolicy/200512"
  xmlns:wssu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <dpe:summary xmlns="" xmlns:dpe="http://www.datapower.com/extensions">
    <dppolicy:domain xmlns:dppolicy="http://www.datapower.com/policy">
      http://docs.oasis-open.org/ws-sx/ws-securitypolicy/200512
    </dppolicy:domain>
    <description>
      Implements WAS Web Service WSSecurity Default
    </description>
  </dpe:summary>
  <wsp:Policy wsu:Id="binding-policy">
    <sp:AsymmetricBinding>
      <wsp:Policy>
        <sp:InitiatorToken>
          <wsp:Policy>
            <sp:X509Token sp:IncludeToken="http://docs.oasis-open.org/ws-sx/ws
securitypolicy/200512/IncludeToken/AlwaysToRecipient">
              <wsp:Policy>
                <sp:WssX509V3Token10/>
              </wsp:Policy>
            </sp:X509Token>
          </wsp:Policy>
        </sp:InitiatorToken>
        <sp:RecipientToken>
          <wsp:Policy>
            <sp:X509Token
sp:IncludeToken="http://docs.oasis-open.org/ws-sx/ws-securitypolicy/200512/IncludeToken/AlwaysToInitiator">
              <wsp:Policy>
                <sp:WssX509V3Token10/>
              </wsp:Policy>
            </sp:X509Token>
          </wsp:Policy>
        </sp:RecipientToken>
        <sp:AlgorithmSuite>
          <wsp:Policy>
            <sp:Basic128Rsa15/>
          </wsp:Policy>
        </sp:AlgorithmSuite>
        <sp:Layout>
          <wsp:Policy>
            <sp:Strict/>
          </wsp:Policy>
        </sp:Layout>
        <sp:IncludeTimestamp/>
        <sp:EncryptSignature/>
      </wsp:Policy>
    </sp:AsymmetricBinding>
  </wsp:Policy>
  <wsp:Policy wsu:Id="request_parts">
    <sp:SignedParts>
      <sp:Body/>
      <sp:Header Namespace="http://schemas.xmlsoap.org/ws/2004/08/addressing"/>
      <sp:Header Namespace="http://www.w3.org/2005/08/addressing"/>
    </sp:SignedParts>
    <sp:EncryptedParts>
      <sp:Body/>
    </sp:EncryptedParts>
  </wsp:Policy>
  <wsp:Policy wsu:Id="response_parts">
    <sp:SignedParts>

```

What must the solution implementer do to a message to satisfy this policy?

- Encrypt and sign the body of the message.
- Encrypt the body and header. Sign BOTH body and header.
- Encrypt the body, sign the message and use an X.509 Token.
- Encrypt the body, sign the Parts, and use an UsernameToken.

Answer: C

NO.3 A company has an extensive list of Miscellaneous XML Threats that they require protection from. The list includes: ?XML Entity Expansion and RecursionAttacks ?XML Wellformedness-based Parser Attacks ?Memory Space Breach and Buffer Overflow Attacks ?Public Key DoS Attacks ?Resource Hijack Attacks What must the solution implementer do to protect SOA Applications exposed via a WSDL and a Web Service Proxyservice?

- A. Enable the web service proxy's QL Injection Protection?Enable the web service proxy's ?QL Injection Protection?
- B. Enable the web service proxy's ingle Message XML Denial of Service (XDoS) Protection".Enable the web service proxy's ?ingle Message XML Denial of Service (XDoS) Protection".
- C. Enable the web service proxy's ultiple Message XML Denial of Service (MMXDoS) Protection".Enable the web service proxy's ?ultiple Message XML Denial of Service (MMXDoS) Protection".
- D. Web service proxy default options protect against these threats. No configuration is required.

Answer: D

NO.4 A financial services company (Company) is using a DataPower appliance to securely access an external service provider (Partner) that processes SOAP/HTTPS payment transactions and returns the responses to the requesting application in the Company with payment confirmations. The Partner requires that Company establish non-repudiation so that the financial services company cannot deny that the payment transaction was originated by them. The Company requires that the confirmation sent back from the Partner also requires non-repudiation. Which of the following statements is true?

- A. Request Rule must Verify with crypto object containing Company public certificate and Response Rule must Sign with crypto object containing Partner private key
- B. Request Rule must Verify with crypto objectcontaining the private key of Partner and Response Rule must Sign with crypto object containing Company public certificate
- C. Request Rule must Sign with crypto object containing the Company private key and Response Rule must Verify with crypto object containing Partner public certificate
- D. Request Rule must Sign with crypto object containing the public certificate of Partner and Response Rule must Verify with crypto object containing Company private key

Answer: C

NO.5 A solution implementer needs to configure the appliance to throttle transactions if the device memory utilization reaches 70%. What can the solution implementer do to achieve the desired result?

- A. Configure Throttle Settings and set the Memory Throttle threshold to 30%.
- B. Configure an SLM action to throttle transactions when memory reaches 70%.
- C. Configure the Statistic Settings with load interval of 1 and memory threshold to 30%.
- D. Memory management is an internal DataPower function and cannot be configured.

Answer: A

NO.6 A solution implementer is given the requirement to capture only a subset of messages emitted

by a particular service to its own custom logging target. The solution implementer uses an <xsl:message> statement in the style sheet referenced by the transformation actions. How does the solution implementer meet this requirement?

- A. Define an object filter, use it in the <xsl:message> statement and define a log target that uses that object filter.
- B. Define a new event filter, use it in the <xsl:message> statement and define a log target that subscribes to that event filter.
- C. Define a log category, use it in the <xsl:message> statement and define a log target that subscribes to that event category.
- D. Define a new log target and an object filter which filters messages based on the name of the DataPower service hosting the application.

Answer: C

NO.7 A solution implementer is required to enrich the request message using information stored in a DB2 database table. The search condition of the SQL query needs to be dynamically generated by using a search key from the request message. Which SQL Input Methods can the solution implementer configure to execute the dynamic SQL in a SQL action? (choose two)

- A. Static
- B. Variable
- C. Stylesheet
- D. Web service
- E. Dynamic SQL

Answer: B,C

NO.8 A company-wide Certificate Authority (CA) provides its internal CA root and intermediary certificates to the solution implementer to use for the creation of Validation Credentials that validates several back end servers using SSL. The two lines of business in the company provide services on two different domains on DataPower and two different banks of servers on the back end. The requirement is to share a single copy of the CA certificates to create validation credentials in two domains for both the lines of business to simplify maintenance. How can the solution implementer satisfy the requirement?

- A. Store the CA certificates in the sharedcert: folder from the default domain.
- B. Store the CA certificates in the store:///cert folder from the default domain.
- C. Create Validation Credentials in the default domain so it can be shared across all the domains.
- D. Store the certificate in the cert: folder in any of the two domains and mark the certificate as shared.

Answer: A