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<?xml version="1.0" encoding="UTF-8"?>
<dst:devsol xmlns:dst="http://www.developingsolutions.com/schema/dsTest">
  <config>
    <nodes>
      <spr name="spr_1">
        <subscribers count="20000000" name="ClientDB">
          <imsi>111000000000000</imsi>
          <msisdn>
            <noa>1</noa>
            <npi>1</npi>
            <number>111000000000000</number>
          </msisdn>
          <auth_type>EUTRAN</auth_type>
          <auth_algorithm>Milenage</auth_algorithm>
          <key>0x0C0A34601D4F07677303652C0462535B</key>
          <opc>0x63bfa50ee6523365ff14c1f45f88737d</opc>
          <request_vectors>5</request_vectors>
          <subscription>
            <pdp>
              <context_id>40</context_id>
              <apn>carrier.com</apn>
              <ar_priority>2</ar_priority>
              <address>192.168.168.2</address>
              <vplmn_address_allowed>1</vplmn_address_allowed>
            </pdp>
          </subscription>
          <rat_type>UTRAN</rat_type>
          <max_uplink>40000</max_uplink>
          <max_downlink>20000</max_downlink>
          <pcc_profile>
            <indicator_3gpp>true</indicator_3gpp>
            <multi_service>true</multi_service>
            <pool>
              <quota>550</quota>
            </pool>
            <service name="mcd" default="false">
              <service_context>32274@3gpp.org</service_context>
              <service_id>31</service_id>
              <bearer_offset>0</bearer_offset>
              <media_component_number>19</media_component_number>
              <apn>demo-apn6</apn>
              <flow_information name="flowF1">
                <flow_description>
                  <action>deny</action>
                  <protocol>32</protocol>
                  <src_ip>1.2.3.0</src_ip>
                  <src_port>24</src_port>
                  <dst_ip>7.3.2.0</dst_ip>
                  <dst_port>24</dst_port>
                </flow_description>
                <spi>12345678</spi>
              </flow_information>
            </service>
          </pcc_profile>
        </subscribers>
      </spr>
    </nodes>
  </config>
</dst:devsol>

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<flow_information name="flowF2">
  <flow_description>
    <action>deny</action>
    <protocol>32</protocol>
    <src_ip>1.5.5.0</src_ip>
    <src_port>8</src_port>
    <dst_ip>19.2.8.0</dst_ip>
    <dst_port>8</dst_port>
  </flow_description>
  <spi>12345678</spi>
</flow_information>
<flow_information name="flowF3">
  <flow_description>
    <action>deny</action>
    <protocol>32</protocol>
    <src_ip>21.100.65.14</src_ip>
    <src_port>24</src_port>
    <dst_ip>88.120.220.230</dst_ip>
    <dst_port>24</dst_port>
  </flow_description>
  <spi>55332211</spi>
</flow_information>
<flow_information name="flowF4">
  <flow_description>
    <action>deny</action>
    <protocol>32</protocol>
    <src_ip>10.50.50.8</src_ip>
    <src_port>8</src_port>
    <dst_ip>51.200.200.200</dst_ip>
    <dst_port>8</dst_port>
  </flow_description>
  <spi>83721128</spi>
</flow_information>
<media_sub_component name="s1">
  <flow_number>1</flow_number>
  <uplink_flow>flowF1</uplink_flow>
  <downlink_flow>flowF2</downlink_flow>
  <max_requested_bandwidth_ul>1321</max_requested_bandwidth_ul>
  <max_requested_bandwidth_dl>4381</max_requested_bandwidth_dl>
  <af_signalling_protocol>sip</af_signalling_protocol>
</media_sub_component>
<time_multiplier>.5</time_multiplier>
<final_action>Redirect</final_action>
<cdr_profile>
  <pGWRecord name="CDR_1">
    <servedIMSI presence="required"/>
    <pGWAddress source="dynamic" presence="required"/>
    <chargingID source="dynamic" presence="required"/>
  </pGWRecord>
</cdr_profile>
<qci>1</qci>
<ar_priority>1</ar_priority>

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    <preempt_capability>true</preempt_capability>
    <preempt_vulnerability>>false</preempt_vulnerability>
    <online_enabled>true</online_enabled>
    <offline_enabled>true</offline_enabled>
    <metering_method>duration</metering_method>
    <guaranteed_bitrate_ul>30000</guaranteed_bitrate_ul>
    <guaranteed_bitrate_dl>30000</guaranteed_bitrate_dl>
    <max_requested_bandwidth_ul>45000</max_requested_bandwidth_ul>
    <max_requested_bandwidth_dl>46000</max_requested_bandwidth_dl>
  </service>
  <revalidation_time>100</revalidation_time>
</pcc_profile>
<SmartProfile>
  <SmartEvents>
    <states>
      <state>idle</state>
      <state>Send_Tz_Upd</state>
      <state>Send_SGSN_Upd</state>
      <state>Terminate_Gx</state>
      <state>Terminate_Rx</state>
      <state>Send_Rx_Auth</state>
      <state>Send_SSN</state>
      <state>Send_Loc_Upd</state>
      <state>Repeat_Loc_Upd</state>
      <state>SSN_WA</state>
    </states>
    <event_handlers>
      <event_handler>
        <current_state>idle</current_state>
        <transaction_start/>
        <action>
          <app>gx</app>
          <event>init</event>
          <node count="14">pcef_1</node>
        </action>
        <next_state>idle</next_state>
      </event_handler>
      <event_handler>
        <current_state>Terminate_Gx</current_state>
        <event_received app="gx" event="terminate"/>
        <transaction_complete/>
      </event_handler>
      <event_handler>
        <current_state>idle</current_state>
        <event_received app="gx" event="init"/>
        <next_state>Send_SSN</next_state>
        <timer>60000</timer>
      </event_handler>
      <event_handler>
        <current_state>Send_SGSN_Upd</current_state>
        <timeout/>
        <action>

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        <app>gx</app>
        <event>update</event>
        <node count="14">pcef_1</node>
    </action>
    <next_state>Send_SGSN_Upd</next_state>
</event_handler>
<event_handler>
    <current_state>Send_Tz_Upd</current_state>
    <event_received app="gx" event="update"/>
    <next_state>Send_SGSN_Upd</next_state>
    <timer>60000</timer>
</event_handler>
<event_handler>
    <current_state>Send_Tz_Upd</current_state>
    <timeout/>
    <action>
        <app>gx</app>
        <event>update</event>
        <node count="14">pcef_1</node>
    </action>
    <next_state>Send_Tz_Upd</next_state>
</event_handler>
<event_handler>
    <current_state>Terminate_Gx</current_state>
    <timeout/>
    <action>
        <app>gx</app>
        <event>terminate</event>
        <node count="14">pcef_1</node>
    </action>
    <next_state>Terminate_Gx</next_state>
</event_handler>
<event_handler>
    <current_state>Send_SGSN_Upd</current_state>
    <event_received app="gx" event="update"/>
    <next_state>Repeat_Loc_Upd</next_state>
    <timer>60000</timer>
</event_handler>
<event_handler>
    <current_state>Terminate_Rx</current_state>
    <timeout/>
    <action>
        <app>rx</app>
        <event>terminate</event>
        <node count="14">cscf_1</node>
    </action>
    <next_state>Terminate_Rx</next_state>
</event_handler>
<event_handler>
    <current_state>Send_Rx_Auth</current_state>
    <timeout/>
    <action>

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        <app>rx</app>
        <event>auth</event>
        <node count="14">cscf_1</node>
    </action>
    <next_state>Send_Rx_Auth</next_state>
</event_handler>
<event_handler>
    <current_state>Send_Rx_Auth</current_state>
    <event_received app="rx" event="auth"/>
    <next_state>Send_Tz_Upd</next_state>
    <timer>60000</timer>
</event_handler>
<event_handler>
    <current_state>Terminate_Rx</current_state>
    <event_received app="rx" event="terminate"/>
    <next_state>Terminate_Gx</next_state>
    <timer>60000</timer>
</event_handler>
<event_handler>
    <current_state>Send_SSN</current_state>
    <timeout/>
    <action>
        <app>sy</app>
        <event>update</event>
        <node>ocs_1</node>
    </action>
    <next_state>SSN_WA</next_state>
    <timer>60000</timer>
</event_handler>
<event_handler>
    <current_state>SSN_WA</current_state>
    <timeout/>
    <action>
        <app>gx</app>
        <event>update</event>
        <node count="14">pcef_1</node>
    </action>
    <next_state>Send_Loc_Upd</next_state>
</event_handler>
<event_handler>
    <current_state>Send_Loc_Upd</current_state>
    <event_received app="gx" event="update"/>
    <next_state>Send_Rx_Auth</next_state>
    <timer>60000</timer>
</event_handler>
<event_handler>
    <current_state>Repeat_Loc_Upd</current_state>
    <timeout/>
    <action>
        <app>gx</app>
        <event>update</event>
        <node count="14">pcef_1</node>
    </action>

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    </action>
    <next_state>Repeat_Loc_Upd</next_state>
</event_handler>
<event_handler>
    <current_state>Repeat_Loc_Upd</current_state>
    <event_received app="gx" event="update"/>
    <condition>
        <loop_count>1</loop_count>
    </condition>
    <next_state>Repeat_Loc_Upd</next_state>
    <timer>60000</timer>
</event_handler>
<event_handler>
    <current_state>Repeat_Loc_Upd</current_state>
    <event_received app="gx" event="update"/>
    <condition>
</condition>
    <next_state>Terminate_Rx</next_state>
    <timer>200000</timer>
</event_handler>
<event_handler>
    <current_state>ANY</current_state>
    <event_received app="gx" event="protocol_failed"/>
    <increment>5</increment>
    <action>
        <app>SmartEvents</app>
        <event>reset_subscriber</event>
        <node>spr_1</node>
    </action>
    <next_state>idle</next_state>
</event_handler>
<event_handler>
    <current_state>ANY</current_state>
    <event_received app="rx" event="protocol_failed"/>
    <increment>6</increment>
    <action>
        <app>SmartEvents</app>
        <event>reset_subscriber</event>
        <node>spr_1</node>
    </action>
    <next_state>idle</next_state>
</event_handler>
<event_handler>
    <current_state>ANY</current_state>
    <event_received app="sy" event="protocol_failed"/>
    <increment>7</increment>
    <action>
        <app>SmartEvents</app>
        <event>reset_subscriber</event>
        <node>spr_1</node>
    </action>
    <next_state>idle</next_state>

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        </event_handler>
    </event_handlers>
</SmartEvents>
</SmartProfile>
</subscribers>
</spr>
<pcef count="5" name="pcef_1">
  <gx count="2600000">
    <version>V9.3.0</version>
    <allow_no_vendor>true</allow_no_vendor>
  </gx>
  <diameter>
    <socket>
      <sport>0</sport>
      <dport>3868</dport>
      <protocol>TCP</protocol>
      <ip_address>10.11.26.1</ip_address>
      <dest_ip_address>10.11.16.1</dest_ip_address>
    </socket>
    <host>PCEF1.developingsolutions.com</host>
    <realm>developingsolutions.com</realm>
    <vendor_id>34305</vendor_id>
    <product_name>dsTest</product_name>
    <cer_wait>0</cer_wait>
    <dw_interval>0</dw_interval>
    <max_idle>3000</max_idle>
  </diameter>
  <subscribers name="ClientDB"/>
</pcef>
<pcef count="5" name="pcef_6">
  <gx count="2600000">
    <version>V9.3.0</version>
    <allow_no_vendor>true</allow_no_vendor>
  </gx>
  <diameter>
    <socket>
      <sport>0</sport>
      <dport>3868</dport>
      <protocol>TCP</protocol>
      <ip_address>10.12.26.1</ip_address>
      <dest_ip_address>10.12.16.1</dest_ip_address>
    </socket>
    <host>PCEF6.developingsolutions.com</host>
    <realm>developingsolutions.com</realm>
    <vendor_id>34305</vendor_id>
    <product_name>dsTest</product_name>
    <cer_wait>0</cer_wait>
    <dw_interval>0</dw_interval>
    <max_idle>3000</max_idle>
  </diameter>
  <subscribers name="ClientDB"/>
</pcef>

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<pcef count="4" name="pcef_11">
  <gx count="2600000">
    <version>V9.3.0</version>
    <allow_no_vendor>true</allow_no_vendor>
  </gx>
  <diameter>
    <socket>
      <sport>0</sport>
      <dport>3868</dport>
      <protocol>TCP</protocol>
      <ip_address>10.13.26.1</ip_address>
      <dest_ip_address>10.13.16.1</dest_ip_address>
    </socket>
    <host>PCEF11.developingsolutions.com</host>
    <realm>developingsolutions.com</realm>
    <vendor_id>34305</vendor_id>
    <product_name>dsTest</product_name>
    <cer_wait>0</cer_wait>
    <dw_interval>0</dw_interval>
    <max_idle>3000</max_idle>
  </diameter>
  <subscribers name="ClientDB"/>
</pcef>
<ocs name="ocs_1">
  <sy count="20000000">
    <allow_no_vendor>true</allow_no_vendor>
    <timeout>10</timeout>
    <version>V11.1.0</version>
  </sy>
  <diameter>
    <socket>
      <sport>3870</sport>
      <mode>server</mode>
      <protocol>TCP</protocol>
      <ip_address>10.10.5.36</ip_address>
    </socket>
    <host>ocs1.developingsolutions.com</host>
    <realm>developingsolutions.com</realm>
    <vendor_id>34305</vendor_id>
    <product_name>dsTest</product_name>
    <cer_wait>0</cer_wait>
    <dw_interval>0</dw_interval>
    <max_idle>3000</max_idle>
  </diameter>
  <subscribers name="ClientDB"/>
</ocs>
<cscf count="5" name="cscf_1">
  <rx count="2600000">
    <allow_no_vendor>true</allow_no_vendor>
  </rx>
  <diameter>
    <socket>

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    <sport>0</sport>
    <dport>3869</dport>
    <mode>client</mode>
    <protocol>TCP</protocol>
    <ip_address>10.11.26.1</ip_address>
    <dest_ip_address>10.11.16.1</dest_ip_address>
  </socket>
  <host>CSCF1.developingsolutions.com</host>
  <realm>developingsolutions.com</realm>
  <product_name>dsTest</product_name>
  <dw_interval>0</dw_interval>
</diameter>
<subscribers name="ClientDB"/>
</cscf>
<cscf count="5" name="cscf_6">
  <rx count="2600000">
    <allow_no_vendor>true</allow_no_vendor>
  </rx>
  <diameter>
    <socket>
      <sport>0</sport>
      <dport>3869</dport>
      <mode>client</mode>
      <protocol>TCP</protocol>
      <ip_address>10.12.26.1</ip_address>
      <dest_ip_address>10.12.16.1</dest_ip_address>
    </socket>
    <host>CSCF6.developingsolutions.com</host>
    <realm>developingsolutions.com</realm>
    <product_name>dsTest</product_name>
    <dw_interval>0</dw_interval>
  </diameter>
  <subscribers name="ClientDB"/>
</cscf>
<cscf count="4" name="cscf_11">
  <rx count="2600000">
    <allow_no_vendor>true</allow_no_vendor>
  </rx>
  <diameter>
    <socket>
      <sport>0</sport>
      <dport>3869</dport>
      <mode>client</mode>
      <protocol>TCP</protocol>
      <ip_address>10.13.26.1</ip_address>
      <dest_ip_address>10.13.16.1</dest_ip_address>
    </socket>
    <host>CSCF11.developingsolutions.com</host>
    <realm>developingsolutions.com</realm>
    <product_name>dsTest</product_name>
    <dw_interval>0</dw_interval>
  </diameter>

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        <subscribers name="ClientDB"/>
    </cscf>
</nodes>
</config>
<command>
    <spr name="spr_1">
        <start/>
    </spr>
</command>
<command>
    <pcef name="pcef_1">
        <start/>
    </pcef>
</command>
<command>
    <pcef name="pcef_2">
        <start/>
    </pcef>
</command>
<command>
    <pcef name="pcef_3">
        <start/>
    </pcef>
    <wait>2000</wait>
</command>
<command>
    <pcef name="pcef_4">
        <start/>
    </pcef>
    <wait>2000</wait>
</command>
<command>
    <pcef name="pcef_5">
        <start/>
    </pcef>
    <wait>2000</wait>
</command>
<command>
    <pcef name="pcef_6">
        <start/>
    </pcef>
    <wait>2000</wait>
</command>
<command>
    <pcef name="pcef_7">
        <start/>
    </pcef>
    <wait>2000</wait>
</command>
<command>
    <pcef name="pcef_8">
        <start/>
    </pcef>
</command>
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</pcef>
<wait>2000</wait>
</command>
<command>
  <pcef name="pcef_9">
    <start/>
  </pcef>
  <wait>2000</wait>
</command>
<command>
  <pcef name="pcef_10">
    <start/>
  </pcef>
  <wait>2000</wait>
</command>
<command>
  <pcef name="pcef_11">
    <start/>
  </pcef>
  <wait>2000</wait>
</command>
<command>
  <pcef name="pcef_12">
    <start/>
  </pcef>
  <wait>2000</wait>
</command>
<command>
  <pcef name="pcef_13">
    <start/>
  </pcef>
  <wait>2000</wait>
</command>
<command>
  <pcef name="pcef_14">
    <start/>
  </pcef>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_1">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_2">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
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```
<cscf name="cscf_3">
  <start/>
</cscf>
<wait>2000</wait>
</command>
<command>
  <cscf name="cscf_4">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_5">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_6">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_7">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_8">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_9">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_10">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_11">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
```

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</command>
<command>
  <cscf name="cscf_12">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_13">
    <start/>
  </cscf>
  <wait>2000</wait>
</command>
<command>
  <cscf name="cscf_14">
    <start/>
  </cscf>
</command>
<command>
  <ocs name="ocs_1">
    <start/>
  </ocs>
</command>
</dst:devsol>
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