Protocol for carrying Authentication for Network Access (PANA)

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<table>
<thead>
<tr>
<th>Topic</th>
<th>Duration</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agenda Bashing</td>
<td>15 Mins</td>
<td>B. Patil</td>
</tr>
<tr>
<td>WG Documents</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PANA charter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Requirements Discussion</td>
<td>30 Mins</td>
<td>A. Yegin</td>
</tr>
<tr>
<td>draft-ietf-pana-requirements-01.txt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PANA and EAP</td>
<td>20 Mins</td>
<td>G. Tsirtsis</td>
</tr>
<tr>
<td>Usage Scenarios</td>
<td>20 Mins</td>
<td>H. Soliman</td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>Framework Discussion</td>
<td>25 Mins</td>
<td>Y. Ohba</td>
</tr>
<tr>
<td>Local Security Assoc. in PANA</td>
<td>10 Mins</td>
<td>F. Le</td>
</tr>
</tbody>
</table>

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Status of WG Docs

• Requirements and Terminology I-D (Informational)
  • Design team completed version 0 end of Jan.
  • Version 1 is a result of discussion on the WG ML
  • Will go to WG last call after IETF53

• Usage Scenarios (Informational)
  • Revision 1 under discussion
  • May need a couple of more iterations before going to last call
PANAs Goals

• As stated very clearly in the charter and quite simple.
• Reemphasizing:

• An *access network* or *layer 2* agnostic mechanism for interfacing end hosts with the authentication and authorization infrastructures in the network

• Why?
• Because a single mechanism that performs the authentication and authorization function would make hosts simpler to implement, deploy and interwork

PANA will define (or select) a protocol for network access that will be:

• **Layer 2 agnostic**
  • independent of access technology

• **IP- version agnostic**
  • Works with both IPv4 and IPv6

• **Support multiple authentication schemes**
Current Mechanisms

• Use of PPP to carry authentication information
• And in certain scenarios the use of PPPoE simply for the purpose of authentication
• Network specific authentication mechanisms
  • GSM networks
  • CDMA networks
  • 802.1x in WLAN
• Web/HTTP based mechanisms (redirect to web site)
Moving Forward

• Agree on requirements
• Develop a framework - Should be relatively a small effort
• Propose a protocol as solution (Design/Choose)
• Go implement!