Diameter Predicted Units

draft-bertz-dime-predictunits-01

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Motivation

• When a User is authorized by a Diameter application, e.g. NASreq, CC, etc we get
  • No limitation on resource usage and/or
  • Granted Unit(s)
• The Client does not get an idea of how much resources will be consumed based upon the new authorization / grant
  • Systems usually have this data
  • Seems odd to acquire it out of band
  • Ideal to get the *predicted usage* over time at the time of authorization / grant
• In line with industry trends, e.g. virtualization
Changes since 00

• Migrated to single value with time filter + a list (2 AVP) model

• Put RFC 5777 Time-Of-Day Conditions into Predicted-Service-Units AVP

• Created a List to support a Time Series

  Predicted-Service-Units-Series ::= < 1*{ Predicted-Service-Units }
Predicted-Service-Units AVP

Predicted-Service-Units ::= < AVP Header: TBD1 >

[ CC-Time ]
[ CC-Money ]
[ CC-Total-Octets ]
[ CC-Input-Octets ]
[ CC-Output-Octets ]
[ CC-Service-Specific-Units ]

[ Time-Of-Day-Condition ]

*[ AVP ]

AVP is used as hint (can be ignored).
Sent any time a grant/authorization is given.
Can be ignored by Client or discarded if too far into the future.
Next Steps

• Feedback from group has been very helpful

• Ask this to be added to WG charter / accepted as Statement of Work (if enough people have read it)