

# 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)