



NextGRID Accounting and Billing Use Cases

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1 Introduction

The NextGRID Accounting and Billing Profile (hereafter, “the Profile”) is concerned with specification of Web service operations for reporting resource use and querying resource use that was conducted under the context of a Service Level Agreement (SLA) [1].

This document describes use cases relating to Accounting and Billing that motivate the Profile.

2 Use cases

Figure 1 outlines the use cases relevant to the Profile.

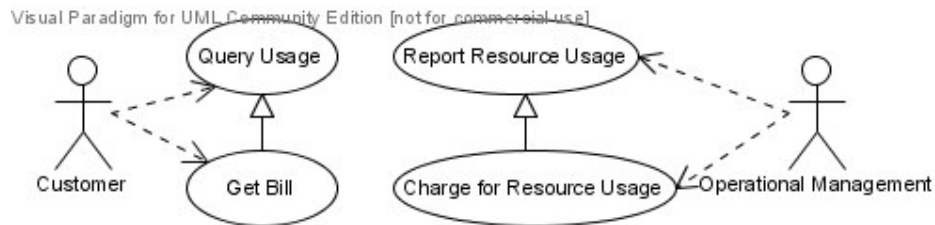


Figure 1 Use Cases

An Operational Management component at a service provider monitors resource usage and reports resource usage for particular metrics under the context of an SLA (“Report Resource Usage”). A specialisation of this use case is when Operational Management is charging for resource usage, using a metric that represents a monetary charge (“Charge for Resource Usage”).

The Customer can query resource usage to determine the amount of resource used for metrics of interest over time for an SLA (“Query Usage”). A specialisation of this case is when the Customer queries usage using a metric that represents monetary charges (“Get Bill”) and in so doing obtains billing information.

3 References

- [1] D. Snelling and M. Fisher and A. Basermann and F. Wray and P. Wieder and M. Surridge (eds.), NextGRID White Paper V5, NextGRID Project, July 25, 2005, http://www.nextgrid.org/download/publications/NextGRID_Architecture_White_Paper.pdf