

Uptrends Xml webservice manual

Accessing the webservice

The Uptrends webservice publishes statistics data from an Uptrends account.

Calling the .NET webservice at <http://www.uptrends.com/asp/xmlservice.aspx>

The webservice exposes one method, **GetReport**. This method requires the following parameters:

accountID: the Uptrends account ID

password: the corresponding password

reportID: the numeric ID of the requested report (see Appendix A)

startDate: the startDate of the period to report on

endDate: the endDate of the period to report on

probeName: the name of the probe to report on, when applicable, otherwise empty

probeGroupName: the name of the probe group to report on, when applicable, otherwise empty

The response of the **GetReport** method is a string which contains encoded XML, which in its turn contains the requested data. The general structure of this data is:

```
<UptrendsXml>
  <Report>
    <Parameters>
      <Title>Uptime % in period</Title>
      <AccountID>demoaccount</AccountID>
      <StartDate>2008-08-01T00:00:00</StartDate>
      <EndDate>2008-09-09T00:00:00</EndDate>
      <Probe>demo probe</Probe>
    </Parameters>
    <Data>
      <Row>
        <!-- Row data -->
      </Row>
      <Row>
        <!-- Row data -->
      </Row>
      ....
    </Data>
  </Report>
</UptrendsXml>
```

The **Parameters** node echoes the specified parameters of the request. The **Data** node contains **Row** nodes, which in turn contain a node for each field in the report. Each report type has its own set of fields. For example, a **Row** node in the 'Uptime% in period' report looks like the following:

```
<Row>
  <Date>01/08/2008</Date>
  <UptimePercentage>100.00</UptimePercentage>
  <UptimeObjective>99.50</UptimeObjective>
  <TotalTime>0.38</TotalTime>
  <TotalTimeObjective>2.00</TotalTimeObjective>
</Row>
```

Caching

After you have requested a report, we strongly suggest that you cache the results on your own server or store them in a database. If you ever need the data again (for example to generate reports or show the results in a web page), you will be able to access the data quicker and do post processing or data mining on the data.

Currently we allow 2,000 web service requests per day for one Uptrends account. Please contact us if you have special requirements.

Appendix A: Report IDs

Currently, the Uptrends webservice supports the following reports. They correspond to the reports with the same name that are available on www.uptrends.com.

Report	ReportID	Required probe / probe group parameter
Uptime % in period	7	Probe
Errors in period	8	Probe
Error types in period	9	Probe
Total time in period	10	Probe
Total time by checkpoint	11	Probe
Total time by hour of day	12	Probe
Total time by day of week	13	Probe
Errors by probe	14	None
Error types	15	None
Total time	16	Probe group