



DelphiLive!

The Delphi Developer Conference

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10 REST Clients (in Delphi)

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Marco Cantù

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 - Mastering Delphi series
 - Essential Pascal
 - Delphi 2007 Handbook
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Agenda

- What is REST?
- REST Examples

What is REST?

- Representational State Transfer
 - Components communicate through interfaces
 - Component has unique URL
 - Client/server architectures
 - Stateless communication
 - Tiered architecture (with data caching)



REST in Simple Terms

HTTP as transport protocol

XML for communication

Simple data passing

- Request: plain XML document or URL with params
- Response: plain XML

Resource-Oriented Architecture

Addressability (with URIs)

Statelessness

Representation (status, data, metadata)

Safety

Idempotence



Delphi REST Support

- IdHTTP
- XMLDocument

REST Examples

- #1 DelphiFeeds RSS
- #2 Amazon Store (Books)
- #3 GeoLocation (Google)
- #4 Yahoo Image Maps
- #5 MapBrowsing

REST Examples

- #6 Google Spreadsheet API
- #7 Google Translation API
- #8 Google Provisioning API
- #9 ...
- #10 Tweet Of The Day

Summary

- REST support is growing
 - While SAOP support is declining
- Q&A