



ADVISORY FORUM 2011, IDEAS MARKET

Beyond XML

The focus of this discussion is on mobile enablement particularly by controlling payload size. The key ways to achieve this are:

1. Having OpenTravel move up to an abstract data model of which our XML schema were one representation rather than the only representation; allowing other representations such as JSON and YAML to coexist and be considered compliant.
2. Avoiding transmission of content by expressing in the query the data fields to be returned. Existing standards for this were mentioned such as JDO (Java Data Objects). Plus the use of reference URIs that allow separate transactions to retrieve only the data needed rather than send everything 'just-in-case'.
3. Breaking up the hierarchy inherent to XML and move to a relational model between nodes that changes with perspective (customer-centric vs property-centric vs air-centric).

<u>CATEGORY</u>	<u>ITEM</u>
Semantics	<ul style="list-style-type: none"> • RDF • SPARQL
Representation	<ul style="list-style-type: none"> • JSON • Services <ul style="list-style-type: none"> ◦ Bindings • YAML • Lighter weight <ul style="list-style-type: none"> ◦ How to express data wanted in the query
Business Process	<ul style="list-style-type: none"> • Business requirements • Orchestration <ul style="list-style-type: none"> ◦ Session mgt • BPEL • End transaction • Security • Communications patterns
Info Arch	<ul style="list-style-type: none"> • Application generation • Information mgt <ul style="list-style-type: none"> ◦ Caching ◦ Expectations of behavior ◦ References not data in payloads = Identity URN • Reference architecture • Compliance testing • Hierarchical - NOT! <ul style="list-style-type: none"> ◦ Relational links between XML nodes