



ACE 2011 International

Aras Connected-Cloud

At the intersection of Open Source and Cloud



Cloudy



- ▶ Not going to talk about cloud PLM.



Less Cloudy

► Definitions

Public Clouds



Private Clouds



On-site Clouds



Community Clouds

Data, Services, Analytics, Products,...
delivered using Cloud technologies, to closed communities

Community Clouds



▶ Examples

- **Data** (automobile forecasts, supplier reliability, component data)
- **Services** (BOM cost analysis, secure communications, EDI)

▶ Web Standards: HTML, SOAP, XML, Web Services

▶ **Transaction fee or subscription based. Sometimes require the contribution of your data to help improve the data set.**

Opportunity

Leveraging these data and services within the PLM Context

Why?



- ▶ **Community Cloud can have larger data sets (for example device reliability data) which drives more accuracy and relevancy than can be created internally.**
- ▶ **Access to Analytics (including the software tools and the expert personnel) that you can't afford full-time, but provide high value occasionally.**
- ▶ **Infrastructure (expensive software, hardware, bandwidth) that you only need infrequently**
- ▶ **Consistency**

How?



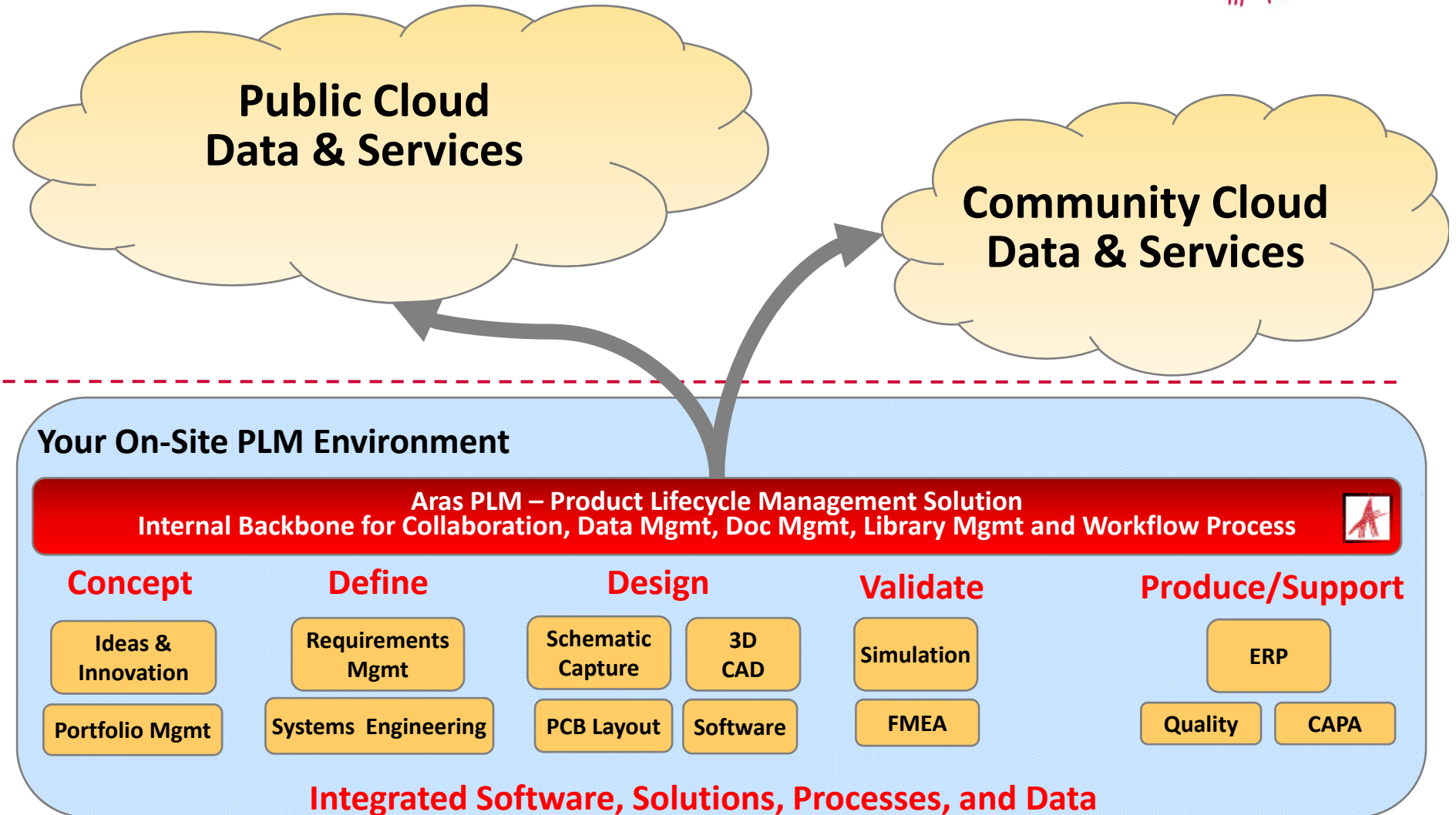
▶ **Avoid the Browser !**

- If we need to open a separate browser window and cut-paste between PLM and the web-site windows, or manually move files, the end-users will not adopt the tools consistently
- Once the browser is open, you do not control where engineers get data. Standardization and consistency are gone!

▶ **Build dialogs, wizards, processes, etc. in the PLM client application (federation) connected to the cloud sources**

- PLM context is used as starting point for search
- Data is retrieved automatically, no data entry

Aras Connected Cloud



Connecting your on-site, secure, data and processes with cloud-based data and services.



Trubiquity

What's Next?



- ▶ **Additional Partners offering high-value services, data and products via the Connected Cloud.**
- ▶ **New wizards, dialogs, federation models within the Aras PLM environment that leverage the Cloud sources**
- ▶ **New on-site applications within the PLM system that leverage the Connected Cloud to perform analytics that were not possible without large data sets**
 - **Keep IP in house, run the analytics locally, but use the community cloud data or services in a secure way.**

Cloud Data, Analytics and Services

End-users' applications integrated to fee-based cloud services



Community Cloud

Web Services API's - Subscriber Access to Data, Intelligence, Services, Analytics,...

Component Search

RoHS/Reach Compliance

Quality History

Prototype Purchasing

Simulation

Product Costing

RFP

EOL Alerts

Warranty Mgmt

Standards

D&B



Your Integrated Product Lifecycle Management Applications

BOM Analysis

Product Business Intelligence

Risk Analysis

Design Scorecard

Supplier Scorecard

Compliance

PLM – Product Lifecycle Management
Backbone for Collaboration, Data Mgmt, Doc Mgmt, Library Mgmt and Workflow Process





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