

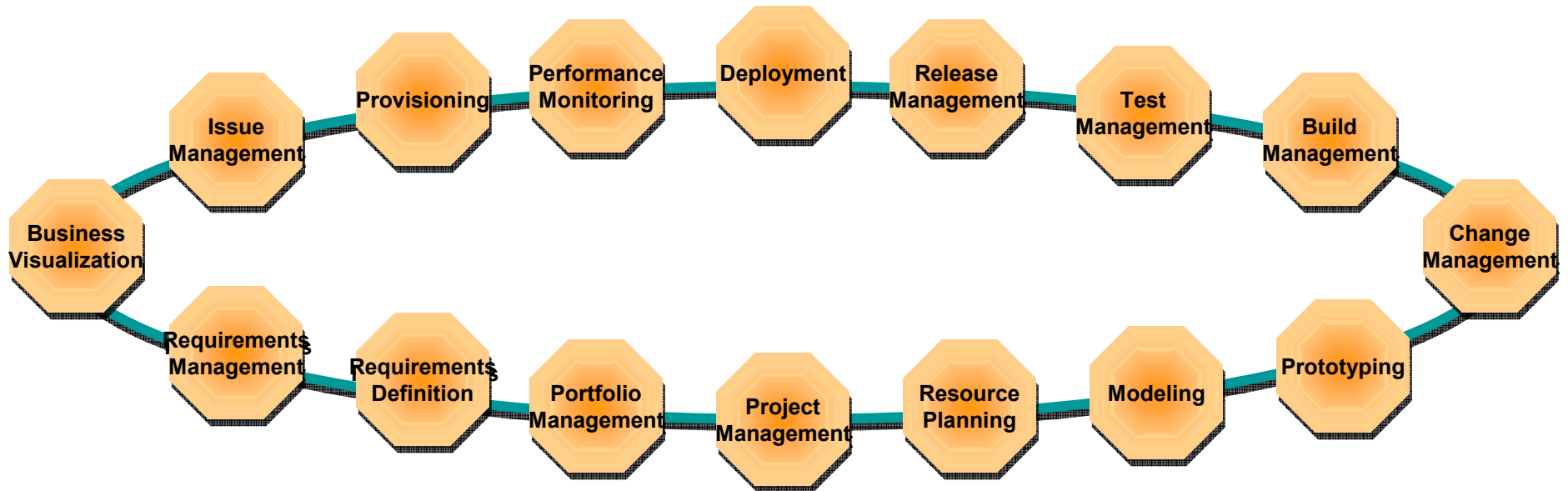


Coordinating Software Development with Eclipse Application Lifecycle Framework (ALF)

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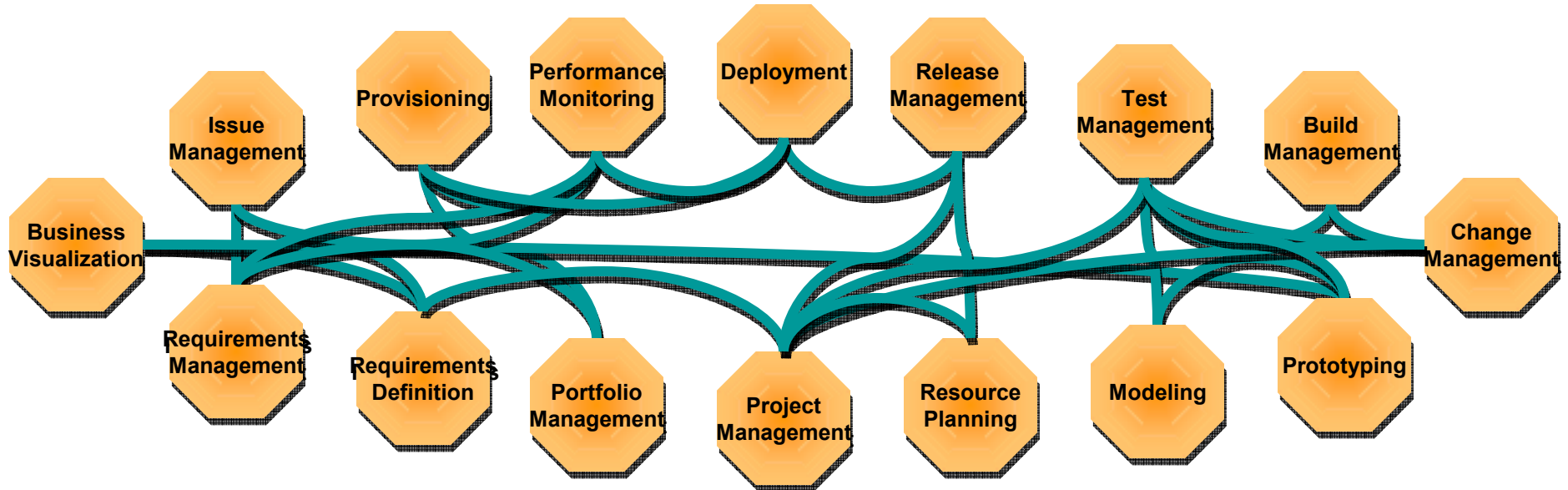
Dream:

What the customer thinks they bought



Nightmare:

What the customer is implementing: **point-to-point**



Customer view:

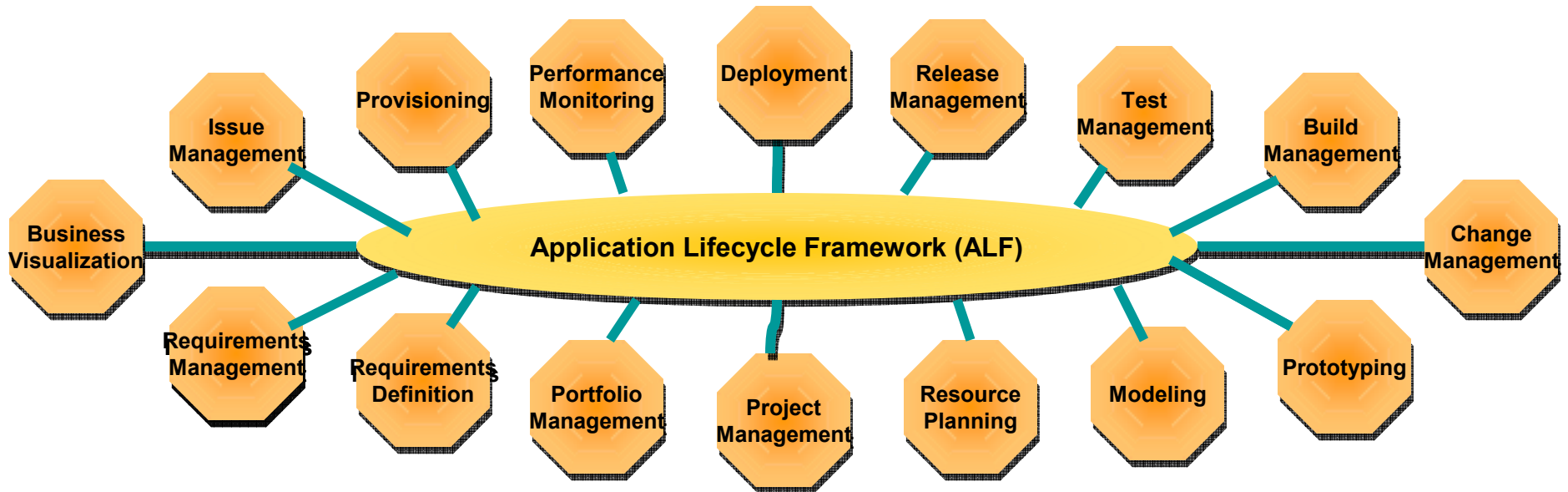
Frail, fragile and, frankly, feeble

Vendor view:

We can't keep up with the rate of change

Time to wake up:

What the customer wants – a standard tool “wall plug”



Customer view:
It's about time

Vendor view:
The only way we grow the market

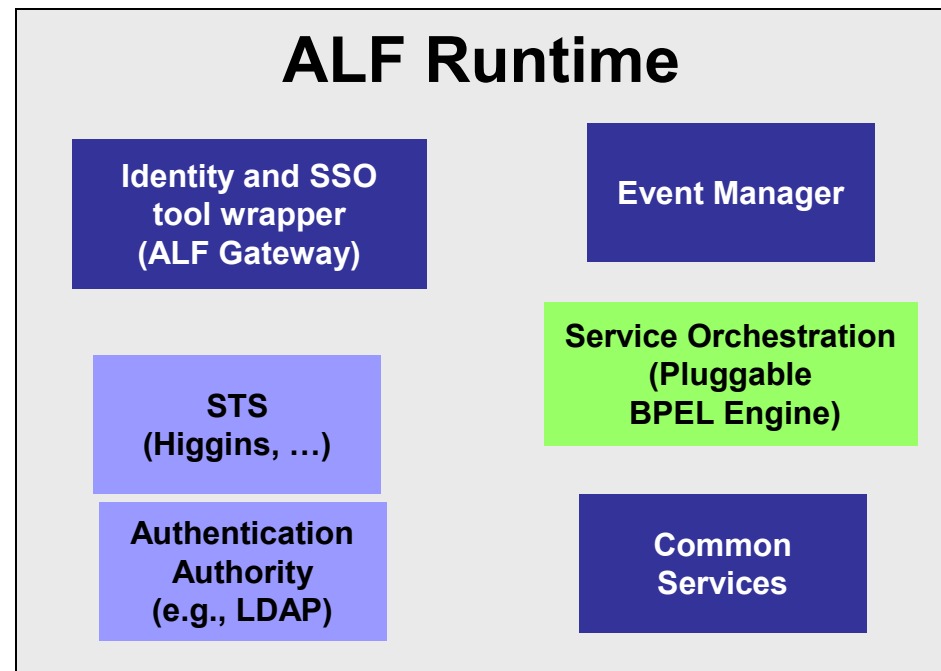
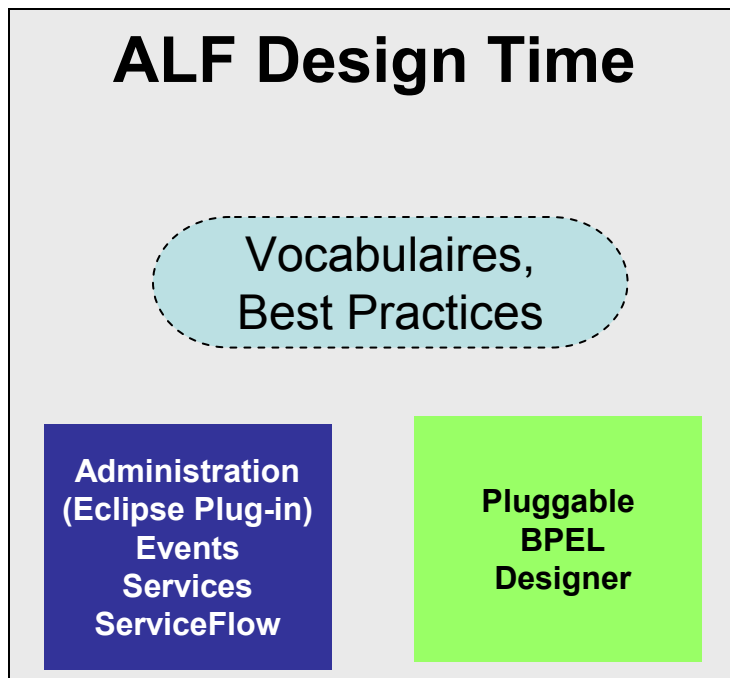
ALF = Tool Integration using SOA

- ALF can orchestrate tools to **keep their data in sync**, especially where other mechanisms are awkward or don't exist
 - ◆ Not all tools:
 - Perform well with real-time integration
 - Provide a remote-able API
 - Provide a command line interface for integration by scripting
 - Run in the Eclipse IDE
- ALF makes integration easier and open takes it out of the hands of vendors
 - ◆ **Puts control in your hands**

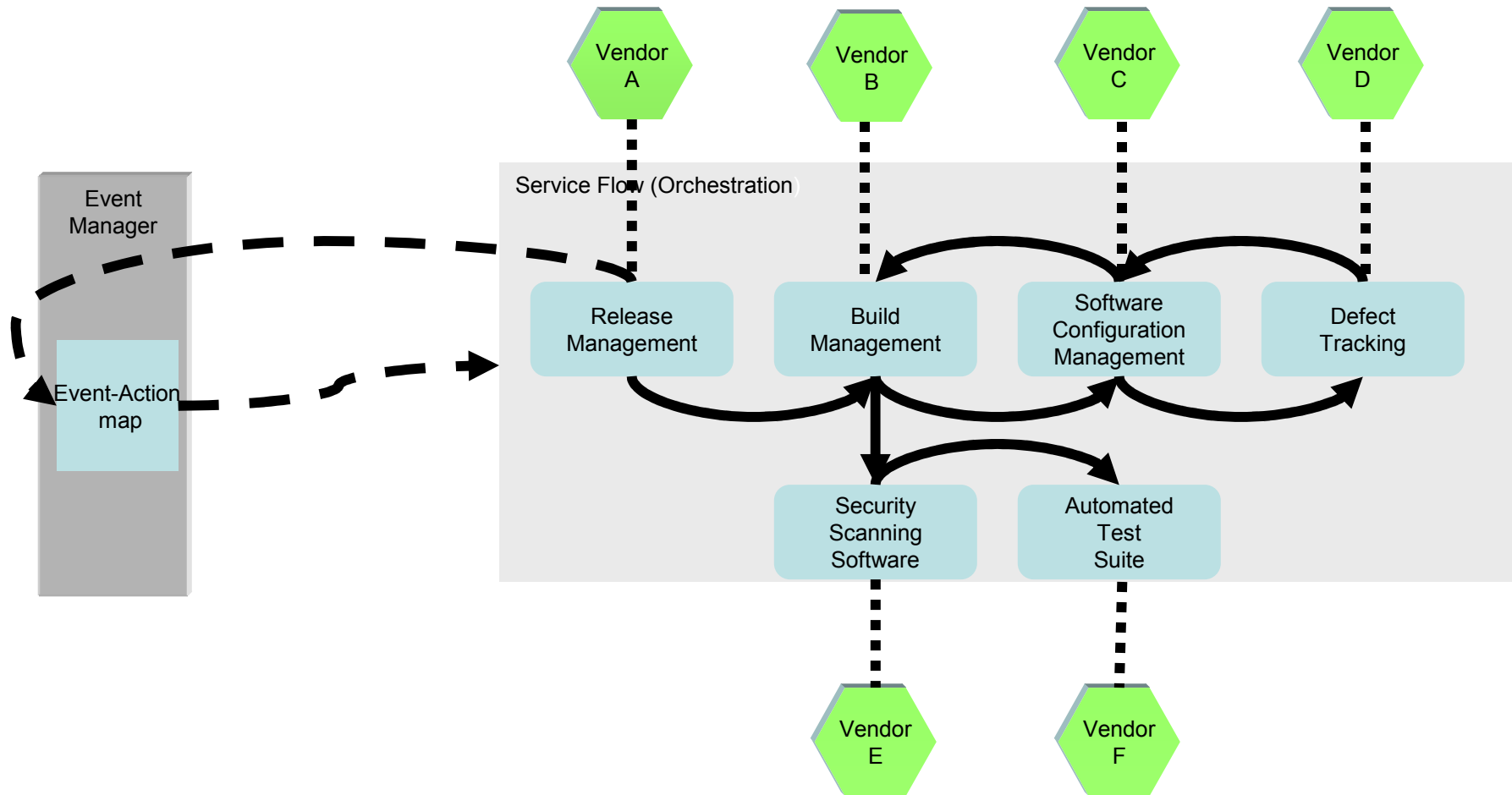
So, what are the ALF components

Metadata for Events,
Services, Process

Applications / tools
ALF-enabled



Example of BPEL Orchestration



So, ALF means...

- **Integration with more tools**
- **Broader integration across the lifecycle**
 - ◆ **Conceptualization, Requirements,
...Deployment**
- **Being in control when upgrading tools**

What's new?

- **ALF has been consumed by a commercial product:**
 - ◆ **Serena Business Mashups**
 - Released December 2006
 - ALF received additional testing as part of that release
- **Added flexibility in interfacing with web services**
 - ◆ Document literal and RPC variations
- **Approaching complete on Eclipse IP Review process**
 - ◆ Blocking components have been eliminated
- **Additional useful services for mashups**
 - ◆ Relationship Service

What's Next?

- **Refinements to address practical realities of the state of SOA**
- **Long lived security tokens for BPEL orchestrations**
- **Expanding the reach of ALF**
 - ◆ **Expanded security credentials via the Eclipse Higgins project**
 - ◆ **Handling non-token-based security**
- **Looking at**
 - ◆ **Embracing Web 2.0 formats**
 - ◆ **Using mediation servers to incorporate RESTful services into BPEL orchestrations**

Thank you!

Check it out and get involved!
eclipse.org/alf

Consumable components/artifacts from ALF

- Event Manager - Event router and filter
- Single SignOn and conveying identity over web services
 - ◆ Security token format – SAML based using claims
 - ◆ SSO Servlet Filter for web resources/web services
- Invokable coordination/orchestration system to augment a BUILD process
- Utility web services
 - ◆ Logging Service
 - ◆ Notification Service
- Guidance and best practices
 - ◆ Conformance guidance
 - From “come as you are” to full conformance
 - ◆ Best practices for WS and BPEL
 - ◆ Event definition
 - ◆ SAML-based security token format