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Component-based SOA

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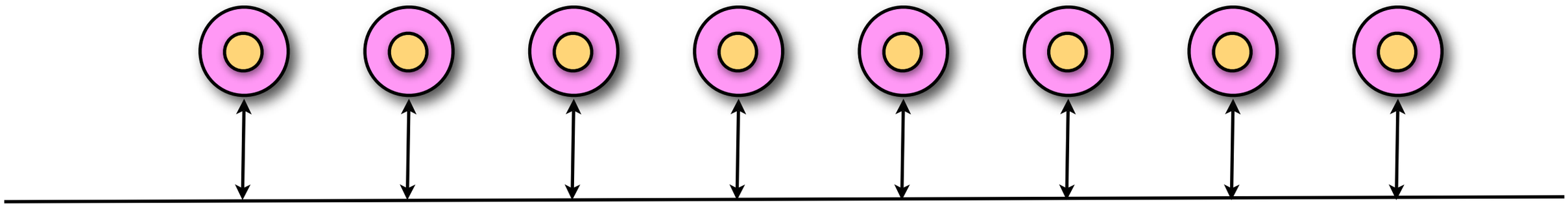
Plain ol' SOA (circa 2005)



NCES-SDK, FCS-SOSCOE, etc

But add the other stuff we need

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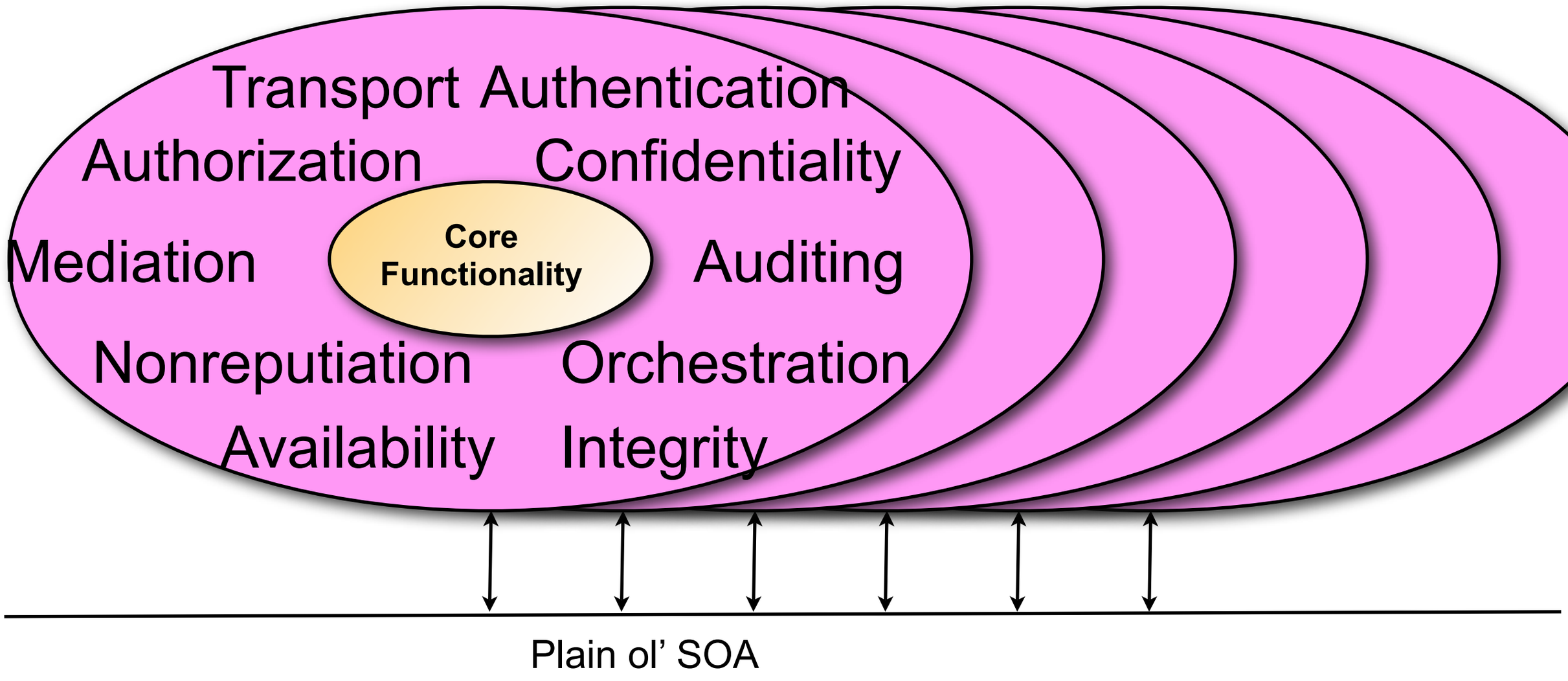
Security and interoperability, for example



A better way

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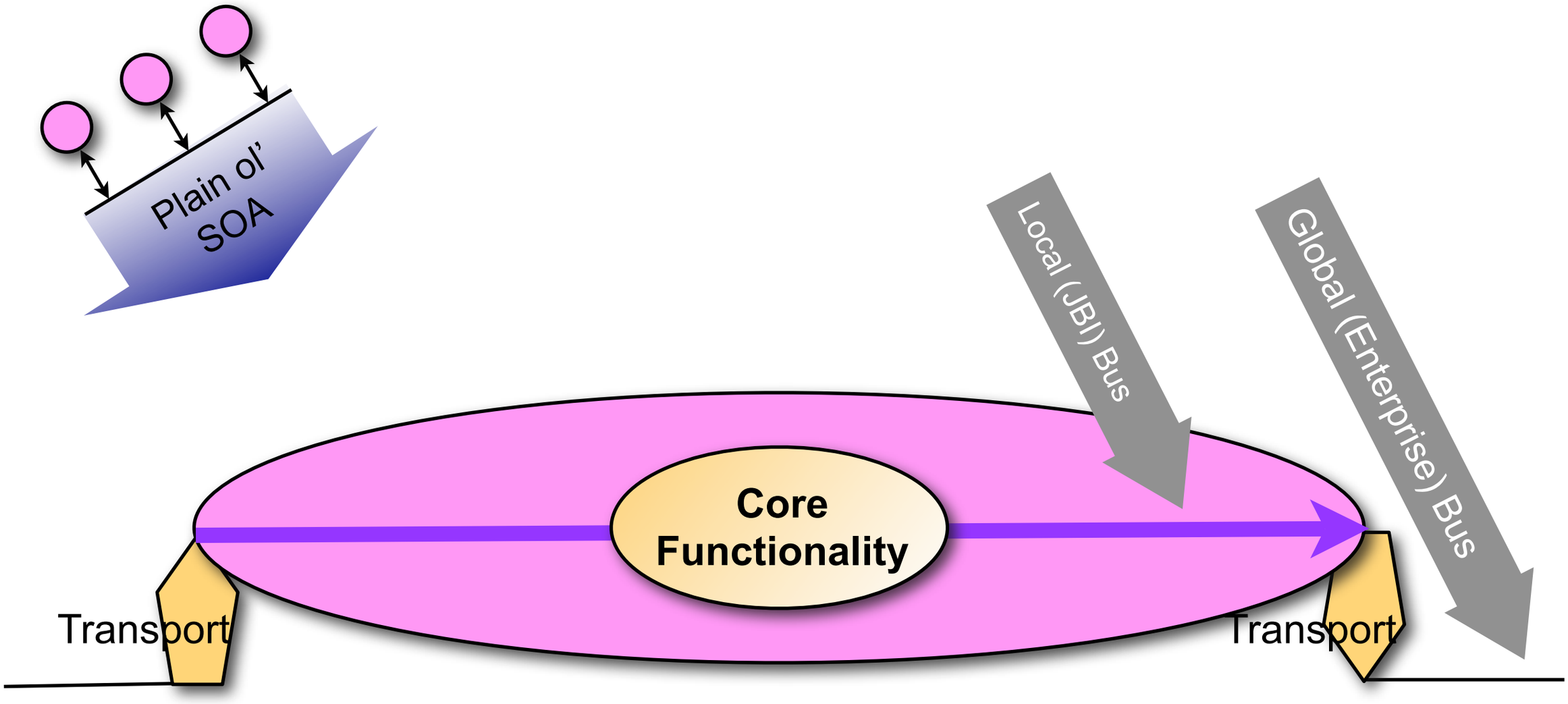
Component-based SOA (JBI)



Firewalled LAN Deployment

A better way

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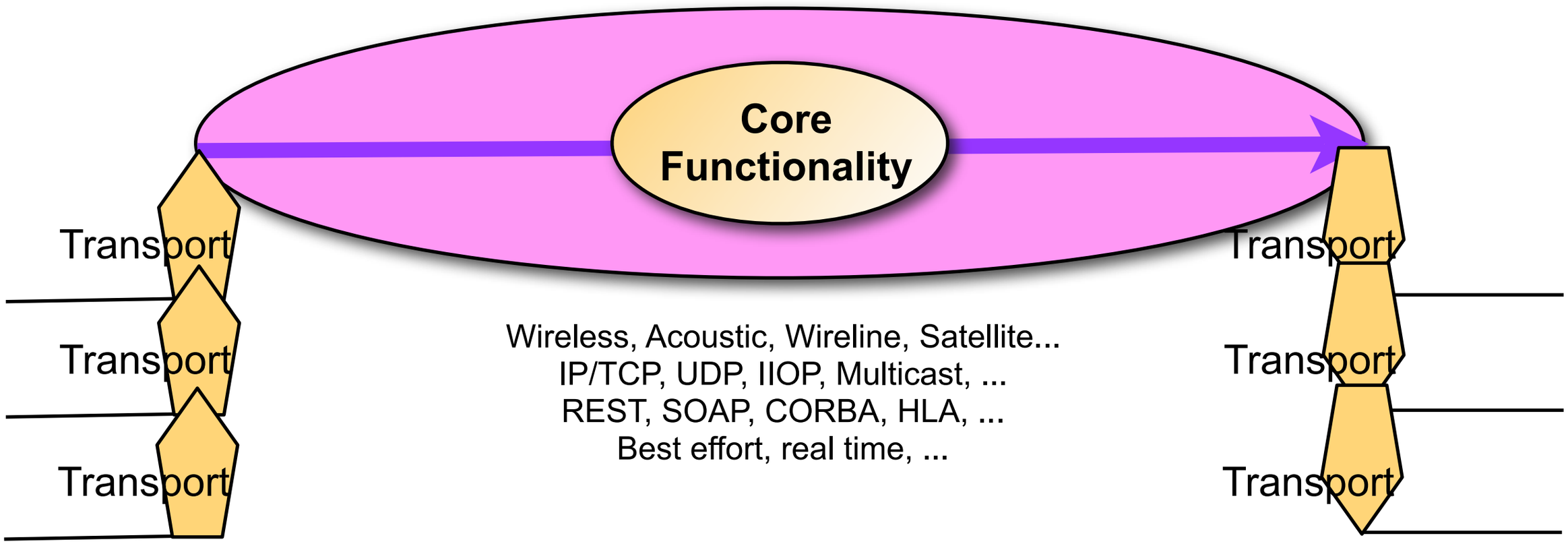
Component-based SOA (JBI)



Low-threat operational deployment

A better way

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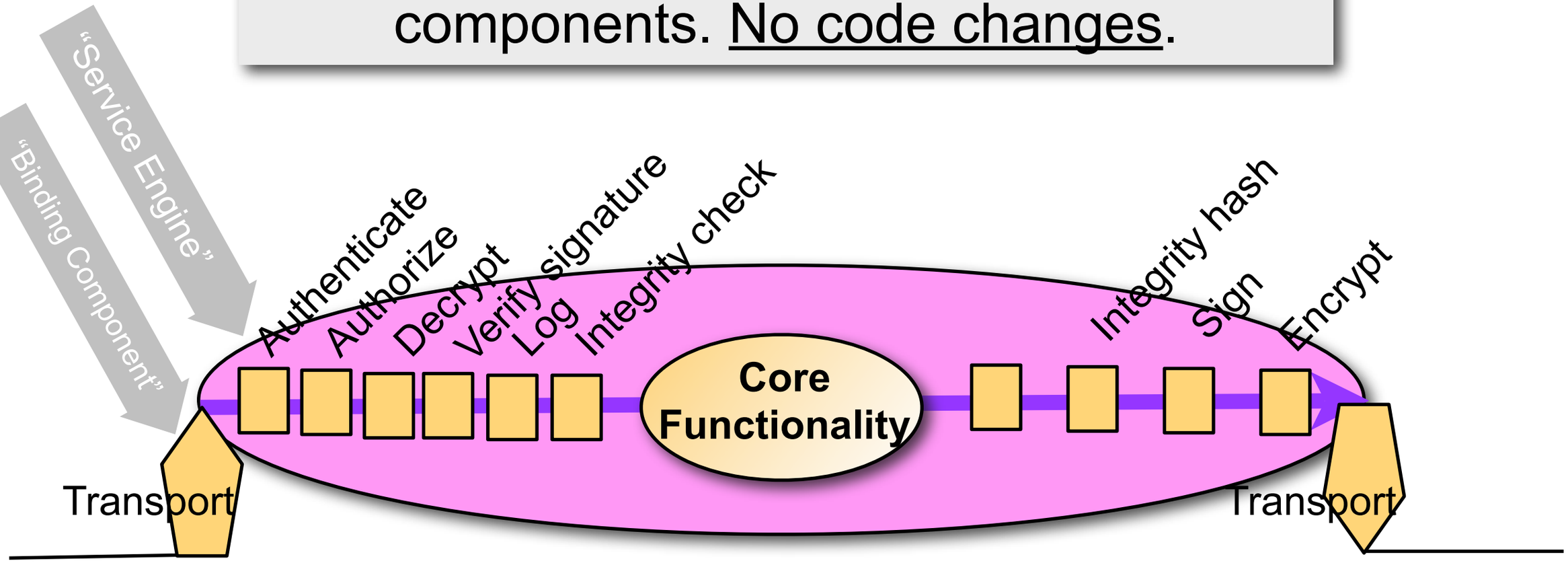
Component-based SOA (JBI)

Secure, interoperable SOA services composed from tested, off-the-shelf components. No code changes.



High-threat operational deployment

SCA: An even better way?

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- Software Component Architecture is an emerging OASIS standard based on JBI ("Java Business Integration").
  - More emphasis on multi level (fully recursive) component architectures
  - Less emphasis on "Java" and "Business"
- Language independence (Java, C++, BPEL, etc)
- Graphical component assembly (UML/MDA?)
- Policy-driven component assembly

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References

This has concentrated on how JBI relates to DOD's SOA needs.

It has not described all its advantages, nor how to use it, nor its terminology, nor the reasoning behind its development. For that see:

- http://jcp.org/en/jsr/detail?id=208
- http://java.sun.com/integration/
- http://www.oasis-opencsa.org/sca
- http://giglite.org

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