

Semantic, Context-Aware Management

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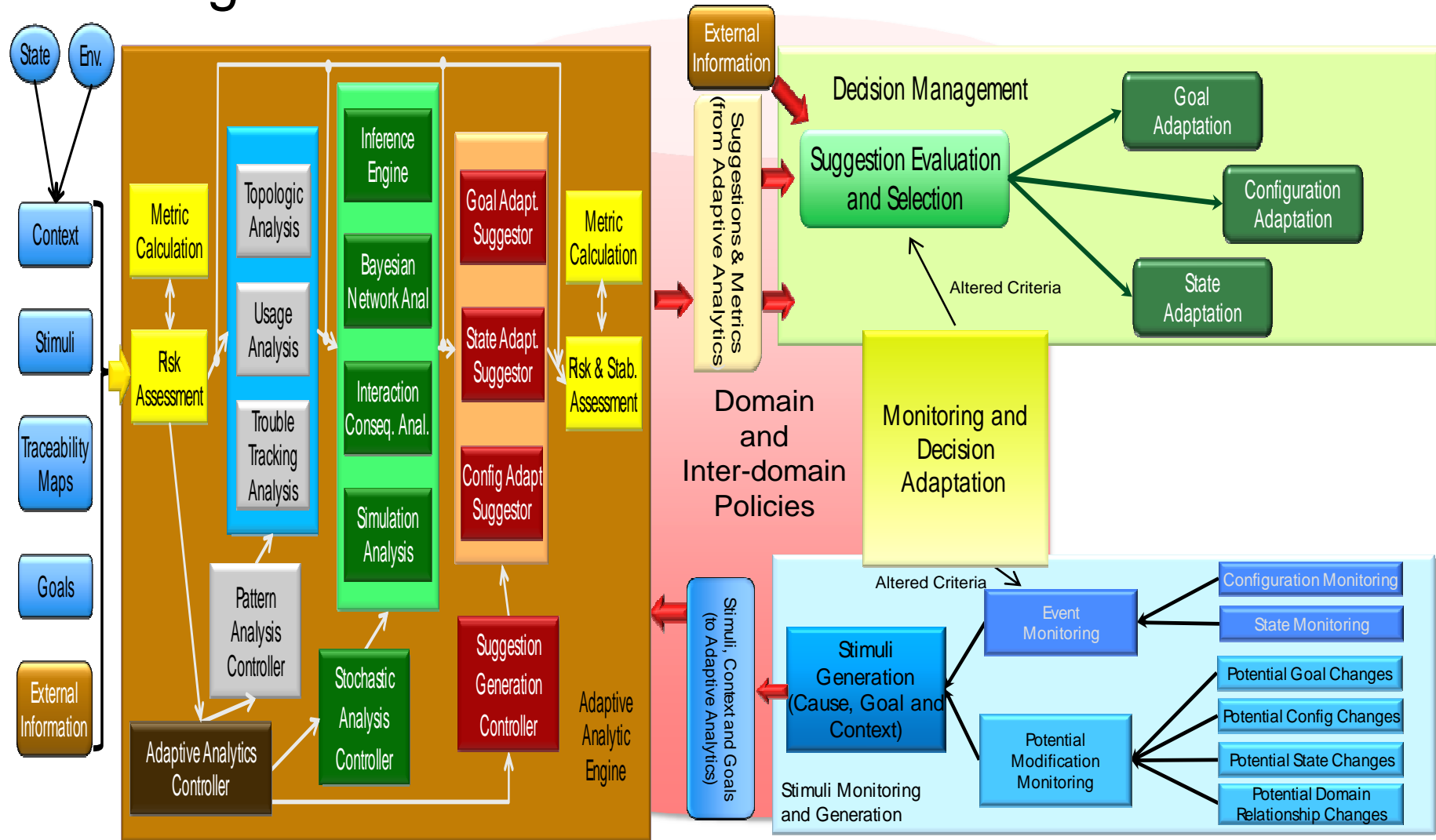
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Adaptive Management: A New Vision

- Policies and policy-based management are a critical technology to support adaptive management,
- Analytics must be context-aware and must provide both pro-active and re-active decision support,
- Feedback and Feed-forward control essential to provide relative stability,
- Management actions will have to be aware of the current context (not one that was in affect when the management system was designed,
- Inter-domain relationships and their management will be critical (i.e., we won't know who is our consumer and/or provider from one time to the next) ,
- Adaptation is situational and can be configuration, state or goal focused.

Architecture of Adaptive Policy-based Adaptive Management



In Conclusion

The highly distributed, de-centralised solution environments of today require a new look at how things are managed:

- Policies must be highly adaptive, context aware, and related to goals,
- Management Software must be “de-siloed”,
- Components of new Management Architectures must be “Situationally Adaptive” to meet the challenge at hand rather than “the same old problem”