Executive Summary

SOACOLLECTIVE – SOA Platform out of the Box

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1 Intro

In today's market, the benefits of Service-Oriented Architecture (SOA) are fairly well understood; getting there on the other hand is often much more **complex and costly** than expected, as the barrier to entry for a successful SOA engagement is very high.

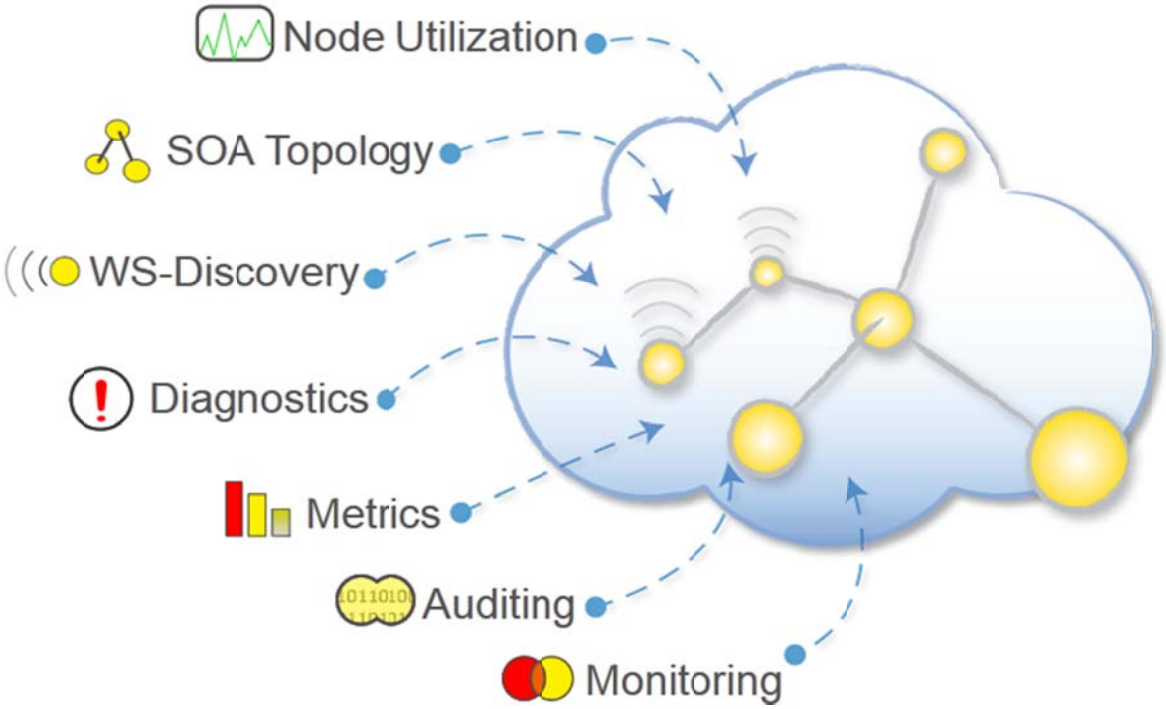
A typical SOA infrastructure that needs to be in place **before a single line of business code is written** spans everything from service management, builds and deployments to enterprise logging, metrics and diagnostics. Failing to address these concerns upfront sets the stage for a chaotic production environment at the best, and increases the probability of catastrophic project failure tremendously.

2 SOACOLLECTIVE

SOAcollective addresses these issues by providing an **SOA Platform out of the Box** for the Microsoft .Net technology stack. SOAC-ENABLING your SOA environment lays a foundation that allows you to hit the ground running with new and existing SOA projects, while empowering you to manage and scale your SOA infrastructure in a common way across the enterprise.

2.1 Why SOAC-ENABLE my SOA environment?

SOACOLLECTIVE allows you to focus on building out your **business requirements** instead of your SOA infrastructure, drastically reducing the cost for new and existing SOA projects.



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- Node Utilization – Keep an eye on resource utilization from across your SOA landscape, down to the service-level, all from one place.
- SOA Topology – View the topology of your SOA landscape with a real-time enterprise view of services, bindings, contracts and endpoints.
- WS-Discovery –Locating and calling services anywhere in your enterprise can be done with standard WS-Discovery probes, or you can use our Discovery Client and get it done in two lines of code, literally.
- Diagnostics – Troubleshoot issues anywhere in your SOA landscape, automatically and in real-time.
- Metrics - Gather metrics from across your enterprise automatically without writing a line of code.
- Audit - Allows you to gather audit data for any or all service contracts and operation calls you choose.
- Monitoring – Gives you visibility into your SOA infrastructure that allows you to instantly identify system health and stem off symptoms before they become serious issues.

2.2 Is there an impact on my existing SOA environment?

- Seamless Integration - SOACOLLECTIVE integrates seamlessly into your .Net-based SOA infrastructure, effectively eliminating this barrier to entry and allowing your team to hit the ground running.
- Automatic Endowment - All SOAC-ENABLED services are automatically endowed with the ability to participate in enterprise-wide discovery, metrics, diagnostics, monitoring and more - without changing a line of code.
- Flexible Hosting - Host services exactly how they are now, in IIS/AppFabric, or use our rich self-host container.
- Transparent - Operations executed by SOAC are done asynchronously, so no calls will be held up by using it to enhance your SOA environment.
- Mixed-mode - Run SOAC-ENABLED services side by side with existing services. Switching services to run in and out of the collective is completely transparent to your existing infrastructure.

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