



# Patterns and Web Services

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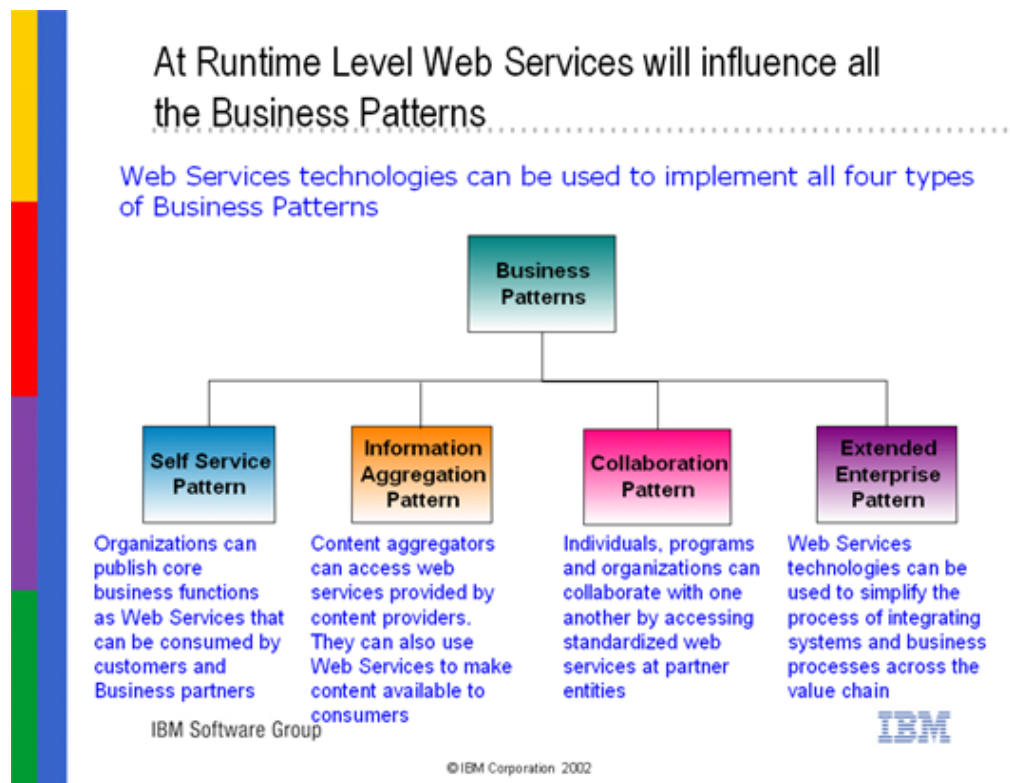
## A Discussion of Patterns and Web Services

The Patterns for e-business lead architects have reviewed the impact of Web services on the existing Patterns' layered assets. Our (simplified) conclusions are as follows:

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### Business and Integration patterns

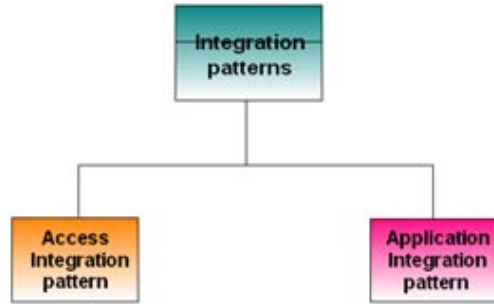
The Business and Integration pattern layer itself is unaffected by the introduction of a new technology. Nevertheless, usage of these Business and Integration patterns, using lower level Runtime patterns, will allow enterprises to exploit Web services underneath all these patterns. Some examples are shown below:





## Integration Patterns at Runtime level will be heavily impacted by Web Services

Web Services technologies have a major impact on how Integration patterns are implemented



Web Services technologies allow us to integrate various backend services to provide a seamless front-end that can be accessed from multiple access channels

Web Services technologies greatly simplify and enable the Application Integration process by enabling loose coupling between the partner entities

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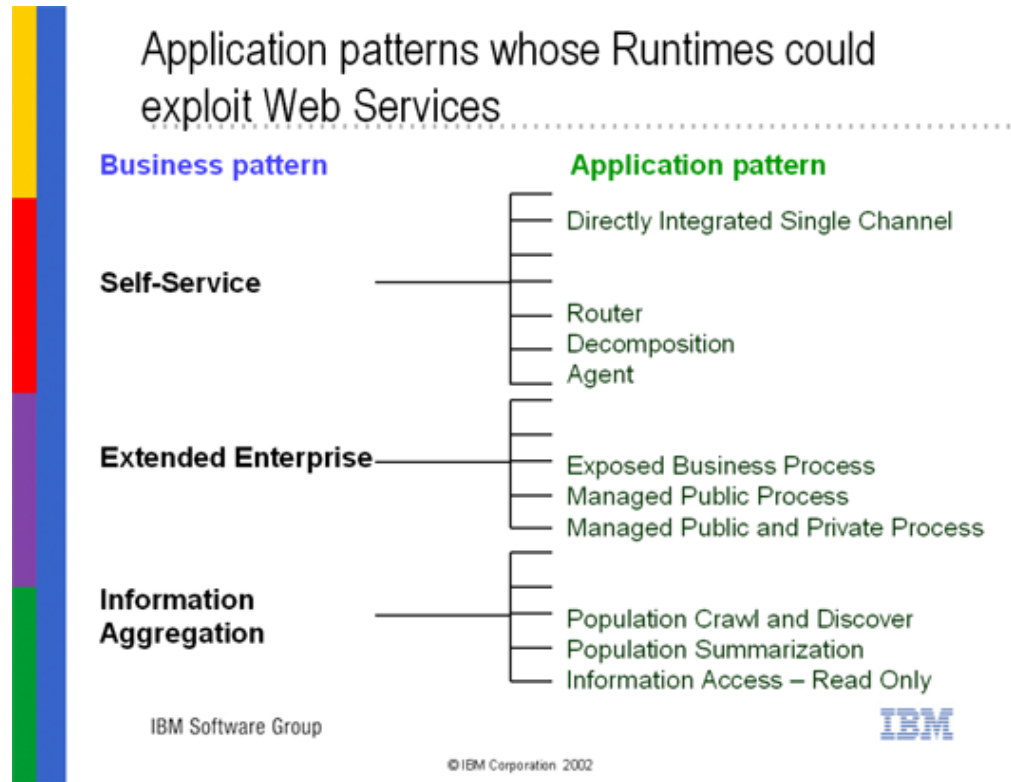
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## Application patterns

The Application pattern layer itself is unaffected by the introduction of a new technology. Nevertheless usage of these Application patterns, using lower level Runtime patterns, will allow enterprises to exploit Web services underneath some of these patterns. Some examples are shown below:

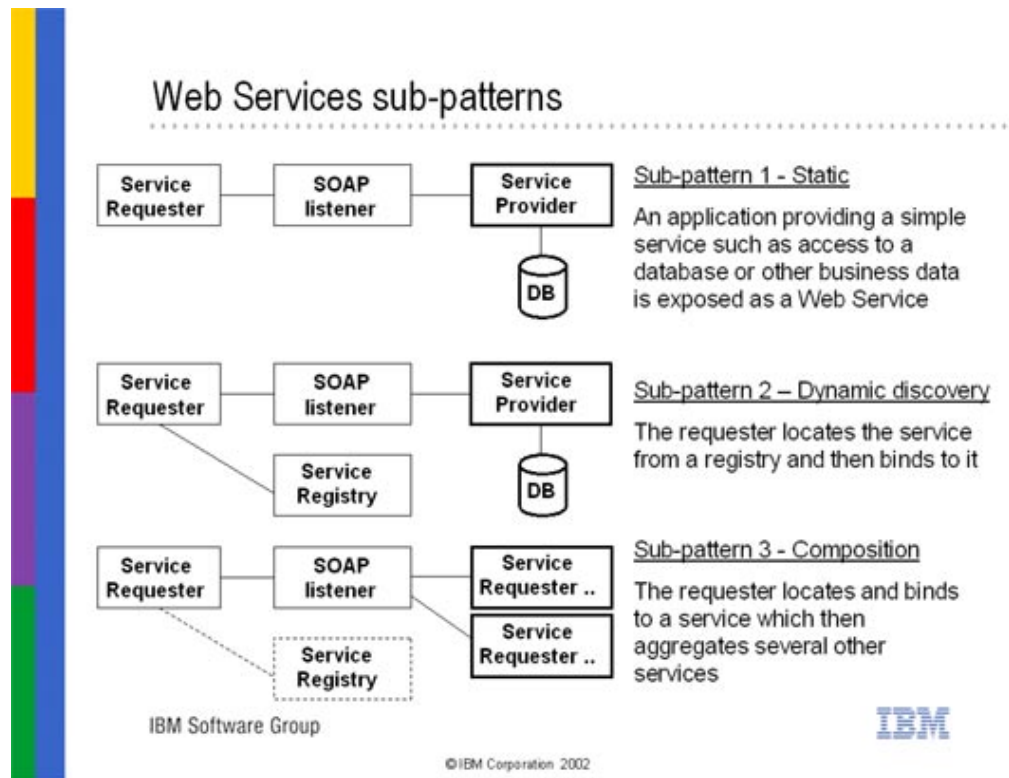


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## Runtime patterns and Web Services sub-patterns

Whenever a Runtime pattern shows two or more middleware nodes enabling two logical application tiers to communicate, the introduction of Web services allows an additional option for connecting these two logical application tiers. These requester/server links may in future be implemented by one or more of the

following sub-patterns:



## Product mappings and the future of Web Services in the Patterns Project

Product mapping associated with these Web Services designs will be added to the Patterns web site over time. Web Services instantiations will be included in as many of the 2002 Patterns redbooks as possible.