

Mastering Systems Integration; Impact of Change

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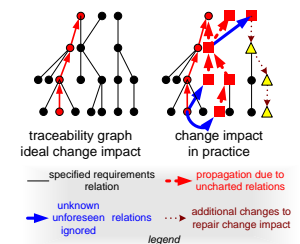
Abstract

This presentation explains the impact of change. A frequent problem is that people do not foresee the impact of changes they make to the system. A naive assumption is that traceability or dependency graphs will show them such impact. Reality then hits them during systems integration.

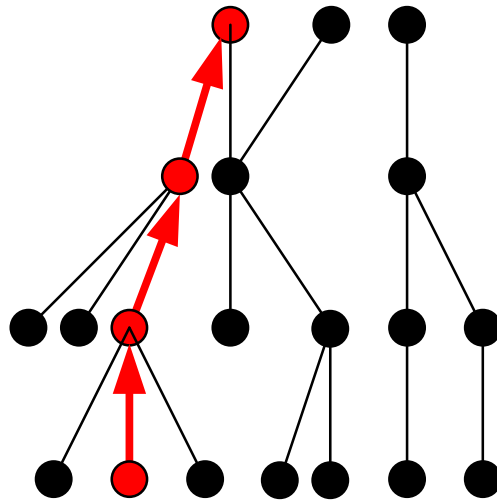
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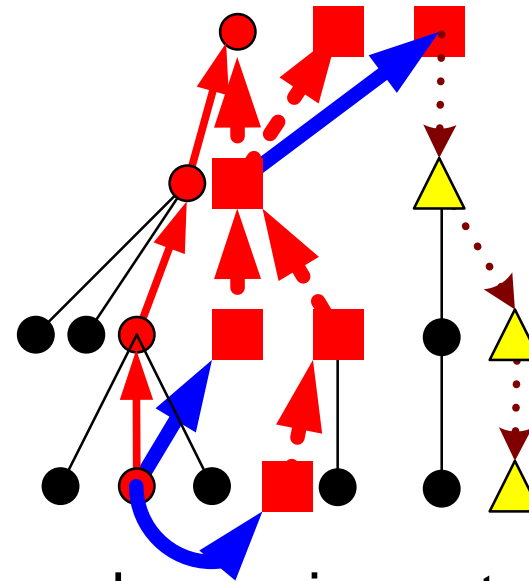
August 21, 2020
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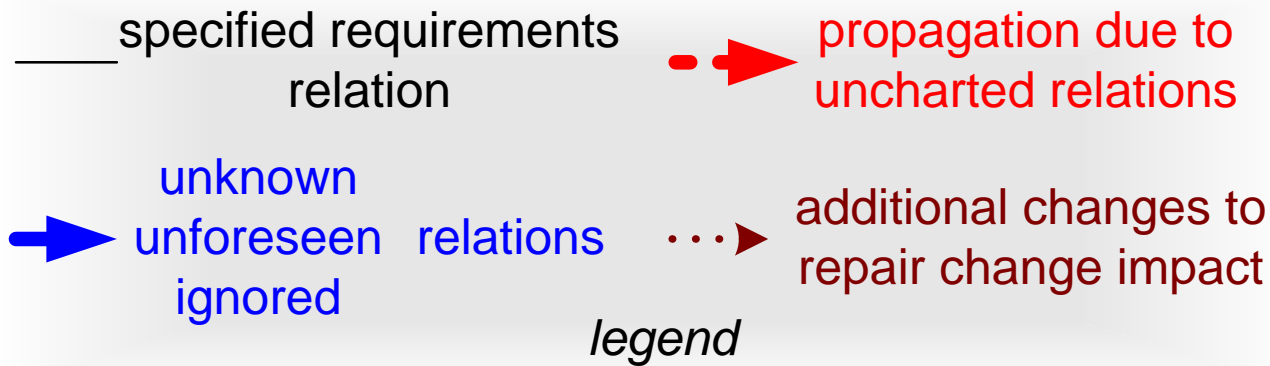
Impact of Change due to Unforeseens



traceability graph
ideal change impact

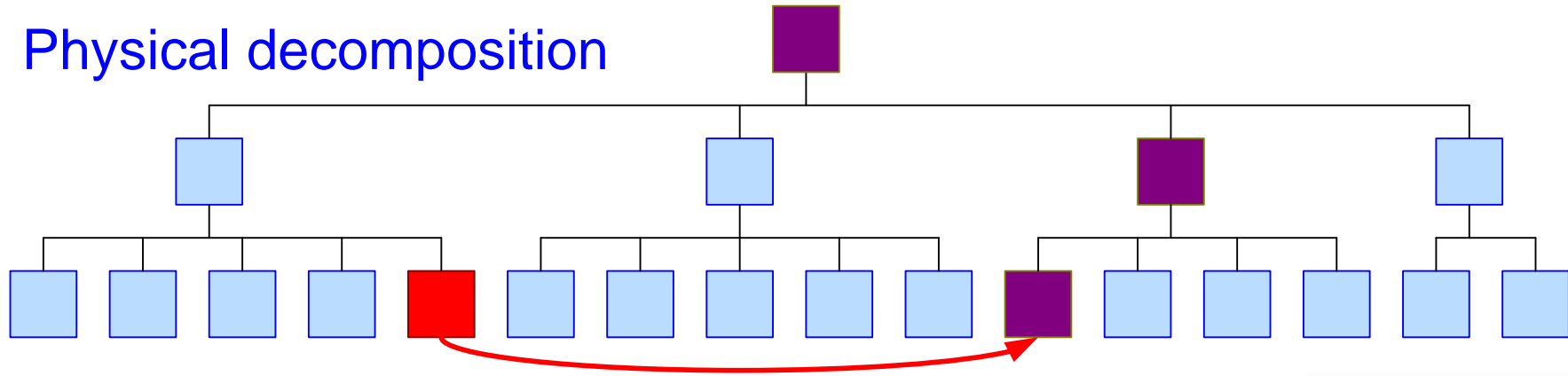


change impact
in practice



Root Cause is Often Elsewhere

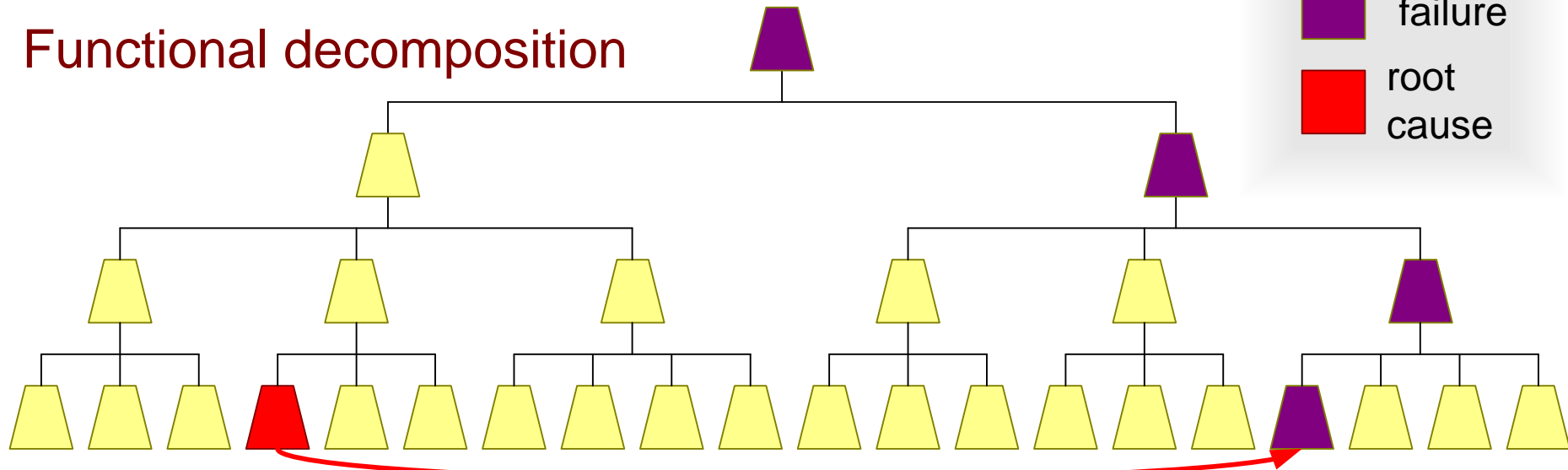
Physical decomposition



legend

- failure
- root cause

Functional decomposition



unknown or unexpected relation

“Nothing has been changed...”

