

A DESIGN MODEL FOR RULE & PROCESS DRIVEN SOLUTIONS

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June 30, 2016

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Slides Online @

[https://redhat.slides.com/
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(mobile friendly)

WHITEPAPER

A STRUCTURED DESIGN APPROACH TO BUSINESS AUTOMATION



Advances in software development infrastructure and approaches provide the tools and opportunity to modernize business

EXECUTIVE SUMMARY

In many leading companies, IT must provide tools to help the business respond to competition, comply with industry regulations, and engage customers. IT is expected to provide solutions that are high quality, flexible enough for rapid, frequent change, and available at predictable—preferably low—cost.

Custom software development and business automation are two ways to give business stakeholders the solutions they want, when they want them. But the two approaches have different benefits and drawbacks. Software development is an engineering discipline with rigorous, but historically slow, processes. Business automation reduces time to market by letting non-technical stakeholders codify business logic, resulting in increased risk.

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<https://www.redhat.com/en/resources/consulting-business-automation-design-approach-whitepaper>

RED HAT CONSULTING DISCOVERY SESSION: BUSINESS AUTOMATION

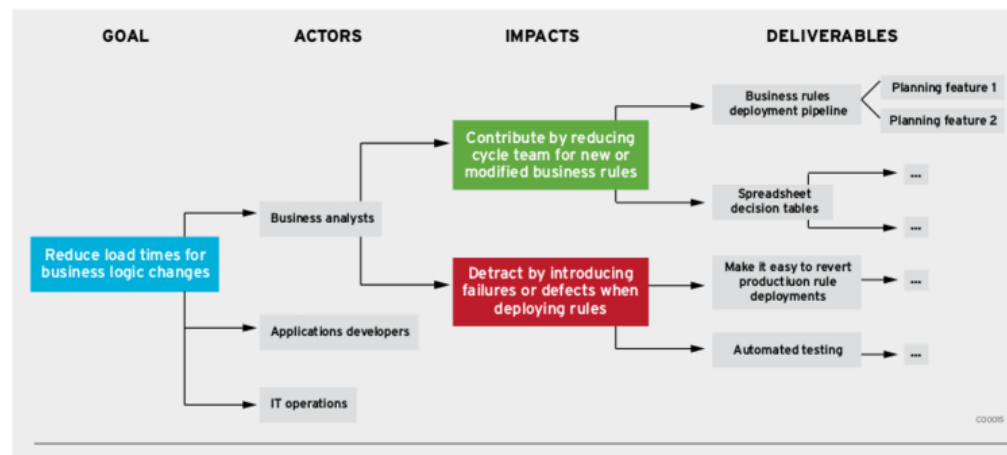
DATASHEET

- Engage a business unit in a strategic planning activity, including owners of business rules and processes, IT application development and delivery, and IT operations
- Complete a collaborative session in 4-8 hours to align on business goals and objectives using the Business Automation solution
- Gain a roadmap for the outlined solution

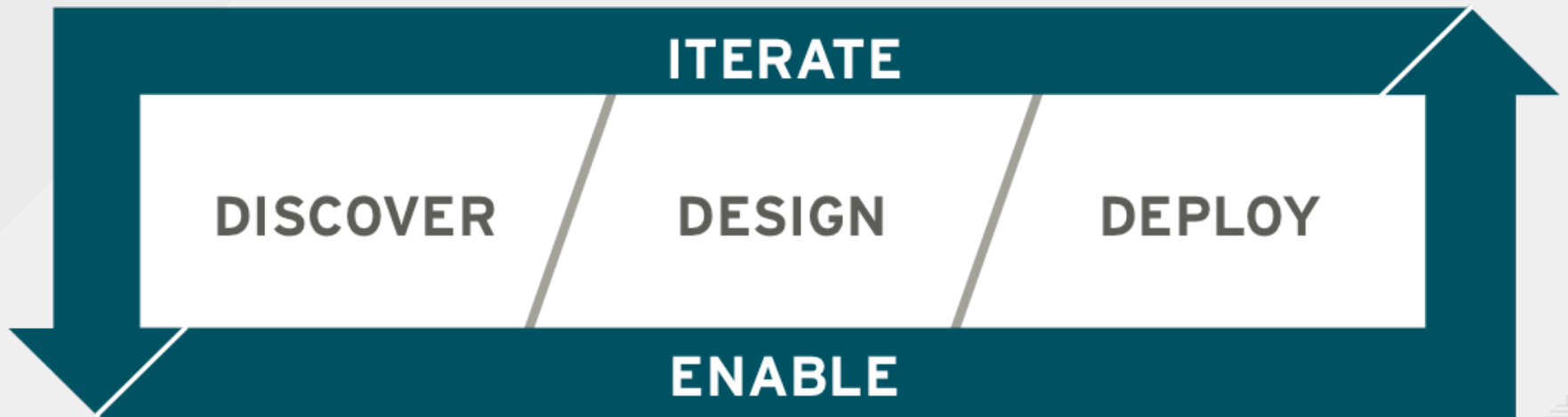
A STRATEGIC PLANNING ACTIVITY FOR BUSINESS AUTOMATION

A Red Hat® Consulting Discovery Session is a visual and collaborative strategic planning activity that develops a mutual understanding of your organization's goals, determines which actors impact these goals, and identifies the business automation practices and technologies that will help you achieve these goals.

During the session, Red Hat consultants facilitate a conversation that leads to the creation of an impact map (Figure 1) showing a path to the desired state.



Solution Delivery Framework



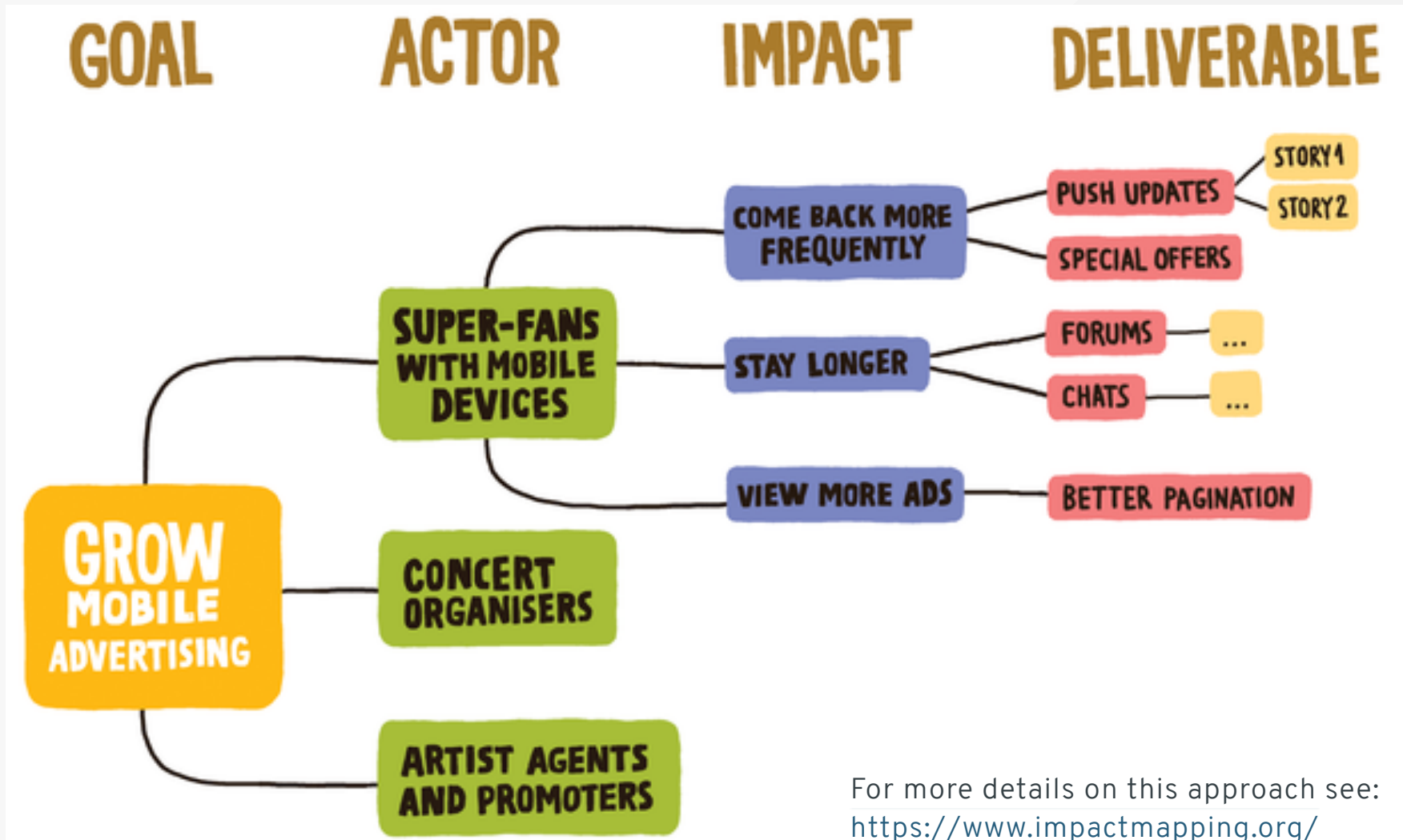
What Is A Discovery Session?

- **Visualize assumptions** by clearly delineating known and unknown factors, providing a broader view for decision makers.
- **Collaborate** by completing an interactive planning and team-building exercise.
- **Gain insight quickly** by providing in **4-8 hours** what may take weeks for other approaches to deliver.

What Is In It For You?

- A **delivery roadmap** for the solution outlined in the Discovery Session.
- A list of **key methods** that will need to be introduced or enhanced as part of the solution.
- A **conceptual architecture** using proven design patterns for business automation with Red Hat JBoss® BRMS and Red Hat JBoss BPM Suite.

FRAMING THE OPPORTUNITY

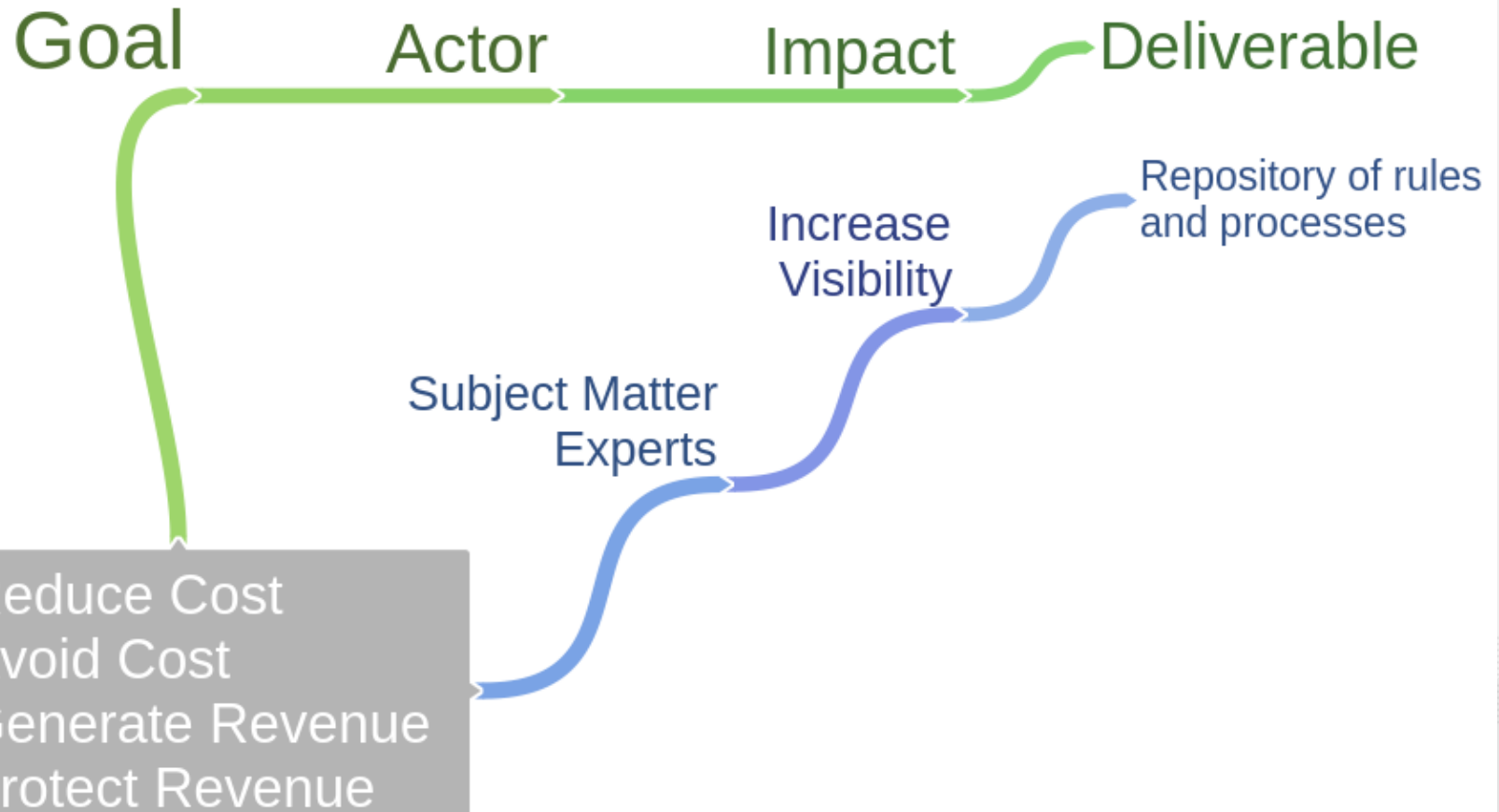


For more details on this approach see:
<https://www.impactmapping.org/>

BXMS IMPACT MAP

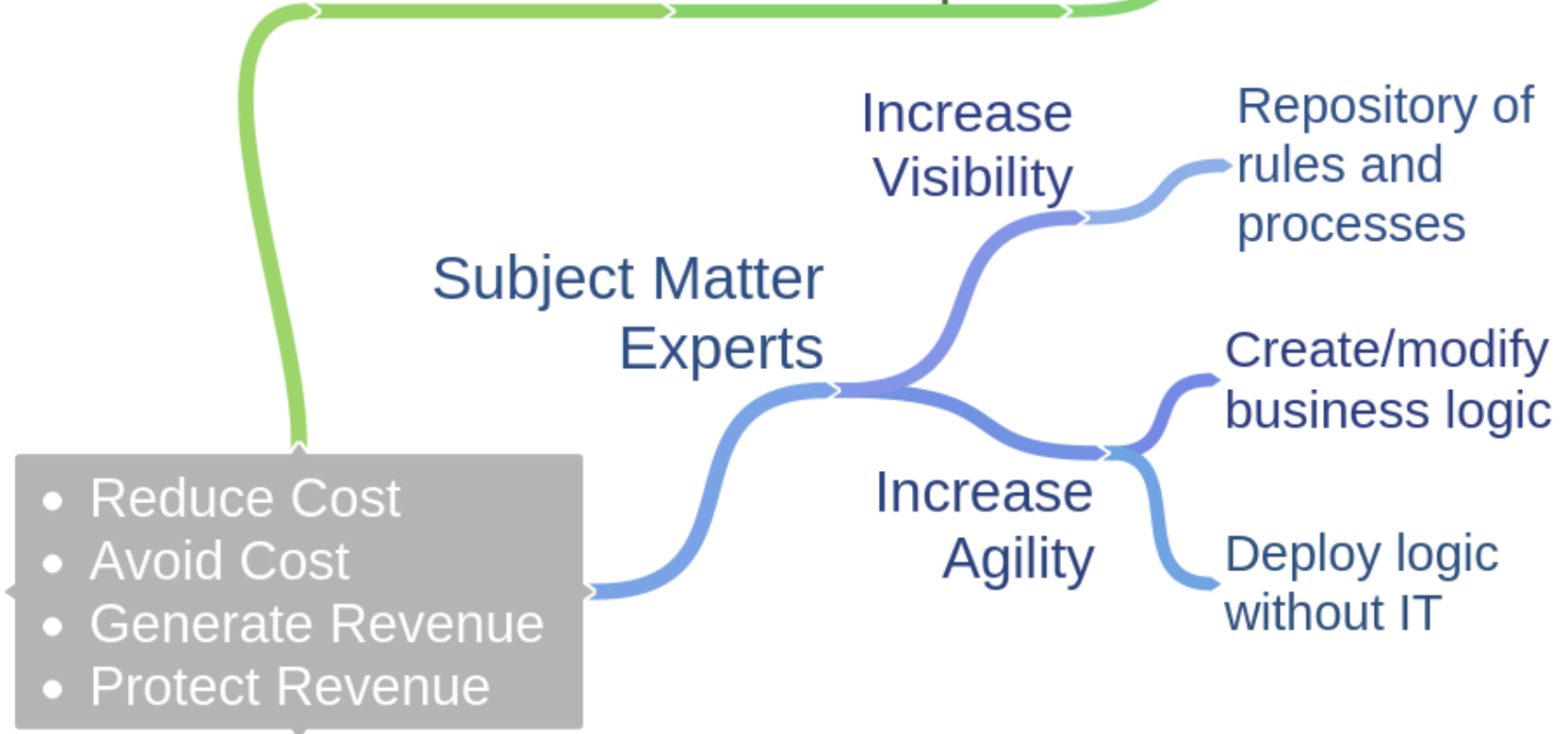
Goal Actor Impact Deliverable

- Reduce Cost
- Avoid Cost
- Generate Revenue
- Protect Revenue

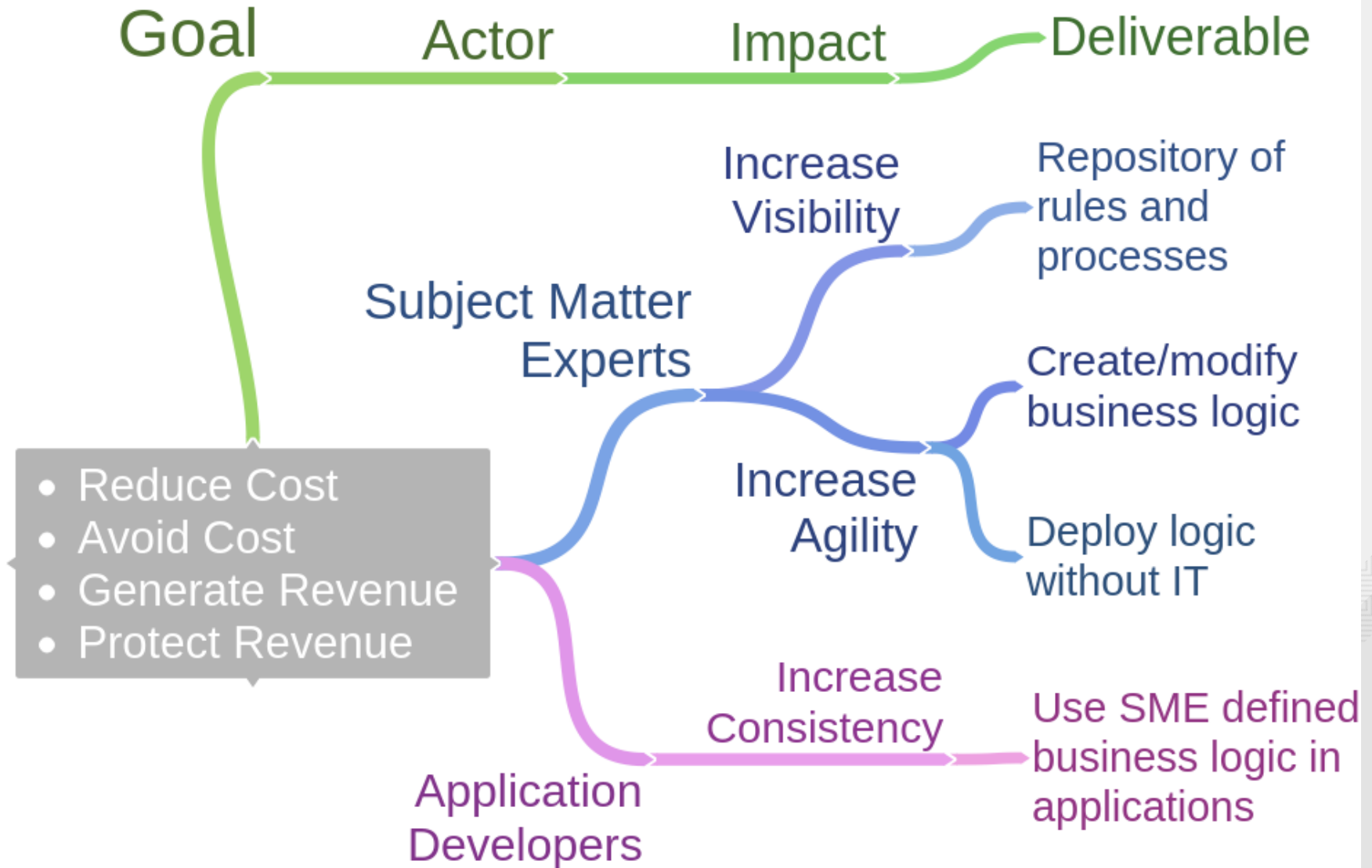


BXMS IMPACT MAP

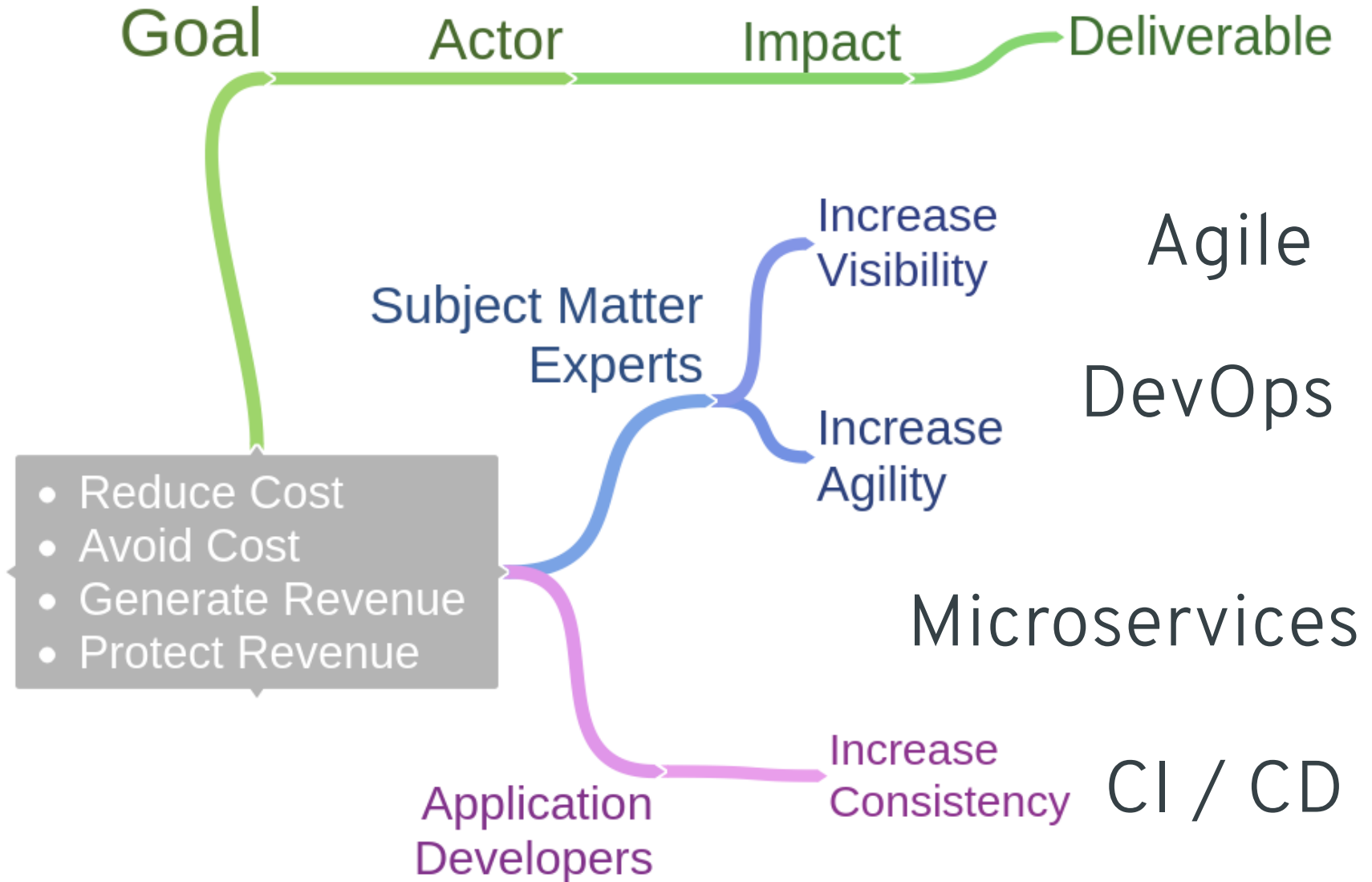
Goal Actor Impact Deliverable



BXMS IMPACT MAP



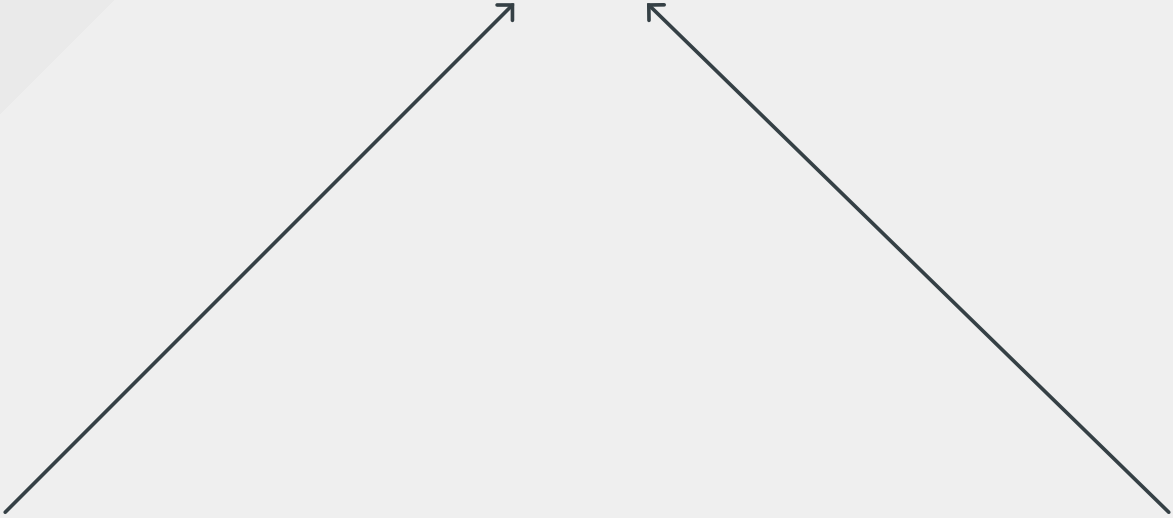
WHAT ABOUT...?





**Let's not throw the baby out
with the bath water.**

Goal: Rapidly deliver high quality software at a low, predictable cost.



Business Automation:

- Collaborative methods & tools for IT, product owners, knowledge workers, etc.
- Visually model processes & decisions
- Automate

CI / CD / DevOps:

- Collaborative methods & tools for Developers, Administrator, Info Sec etc.
- Visually model delivery pipelines
- Automate

THE DESIGN MODEL

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The bottom of the slide is decorated with several red geometric shapes. On the left, there is a cluster of overlapping squares and diamonds, some with concentric square patterns. On the right, there are larger, solid red diamonds and squares, some of which are tilted.

BPM AND DEVOPS SHARE FOUNDING FATHERS

- WALTER A. SHEWHART

- STATISTICAL PROCESS CONTROL

- W. EDWARDS DEMING

- LEAN MANUFACTURING & 14 POINTS (OUT OF CRISIS)

- JACK WELCH

- SIX SIGMA & QUALITY MOVEMENT

- PETER DRUCKER

- DECENTRALIZED DECISION MAKING & THE KNOWLEDGE WORKER

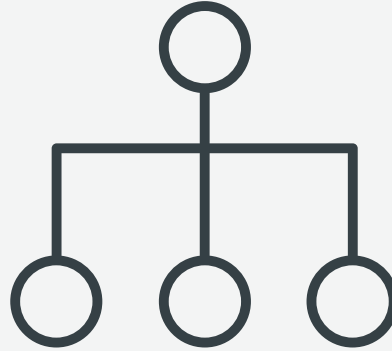
- MELVIN CONWAY

- CONWAY'S LAW

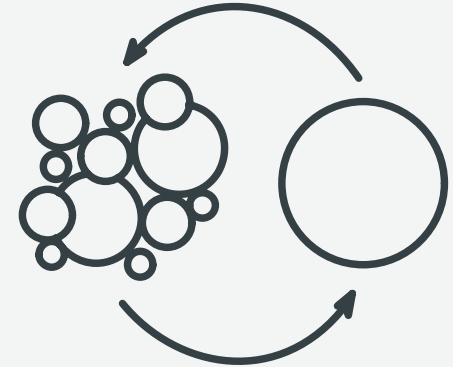
ARCHITECTURE COMPONENTS



MODEL



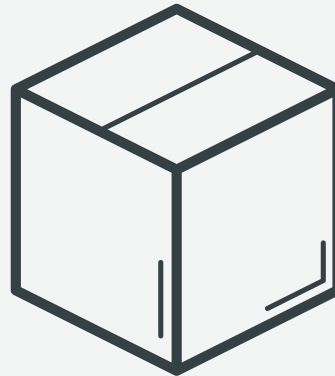
VERSION



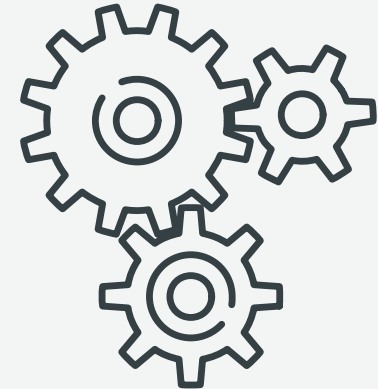
BUILD



STORE

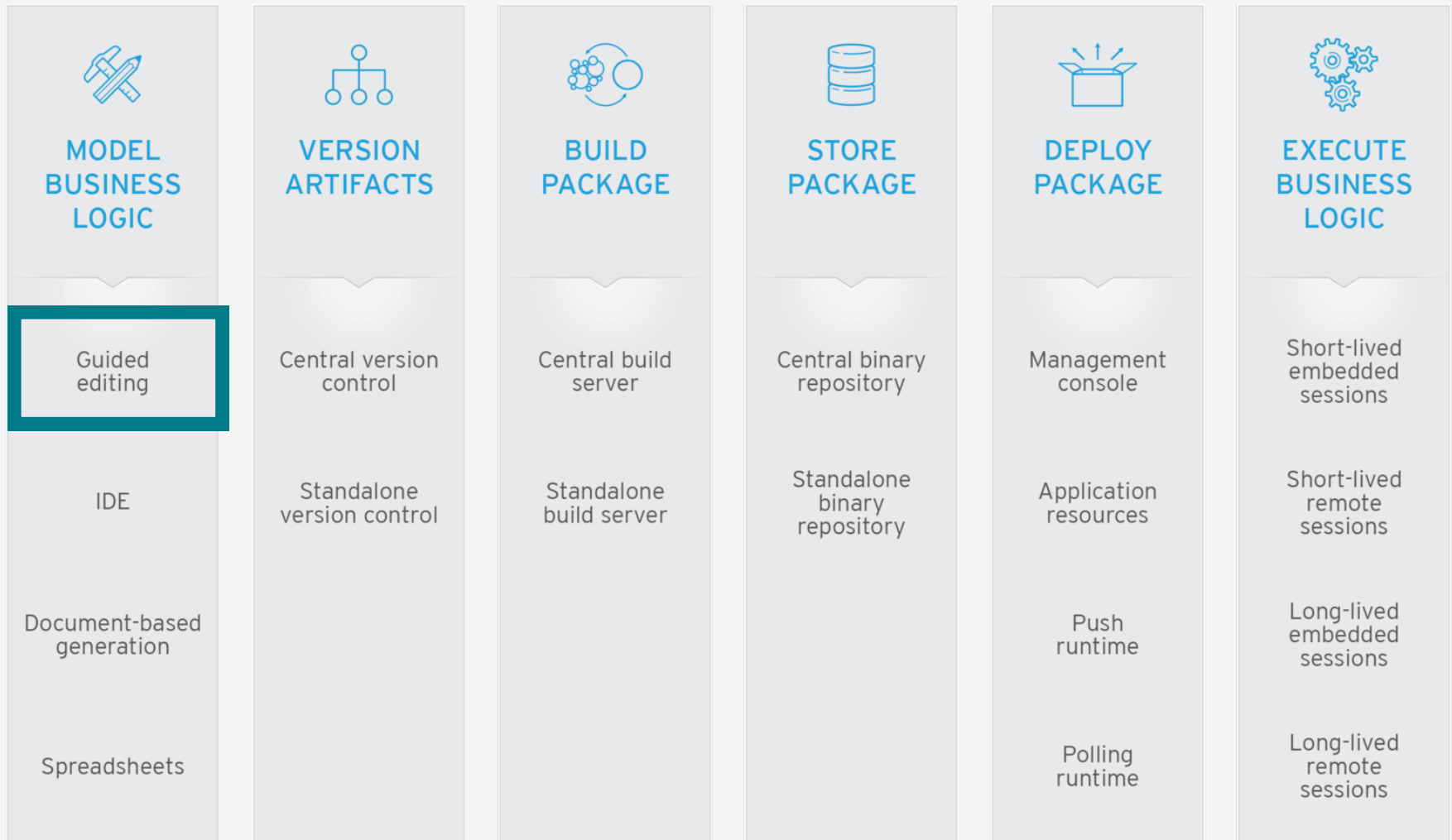


DEPLOY

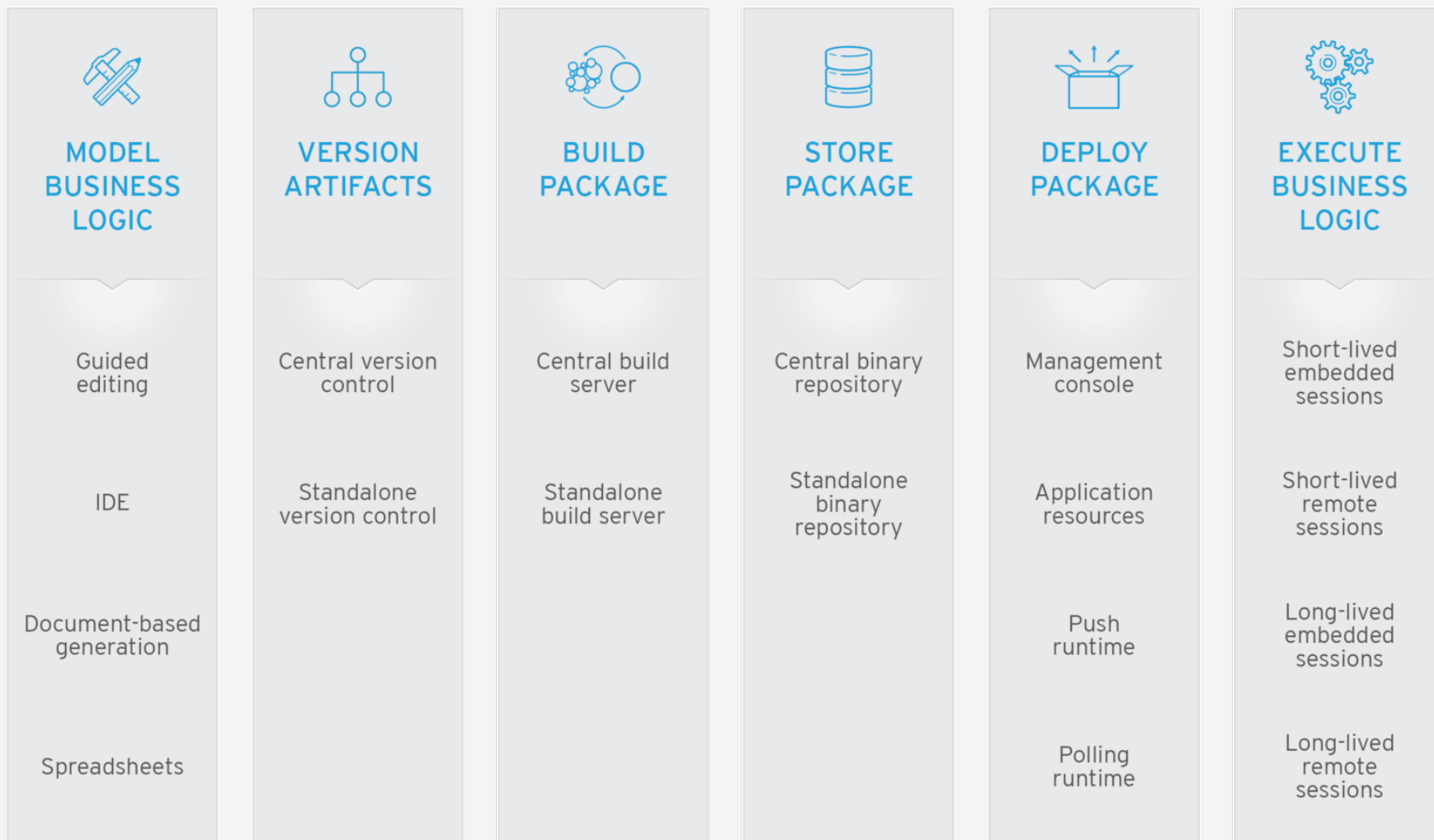


EXECUTE

IT'S LIKE A PRIX-FIXE MENU



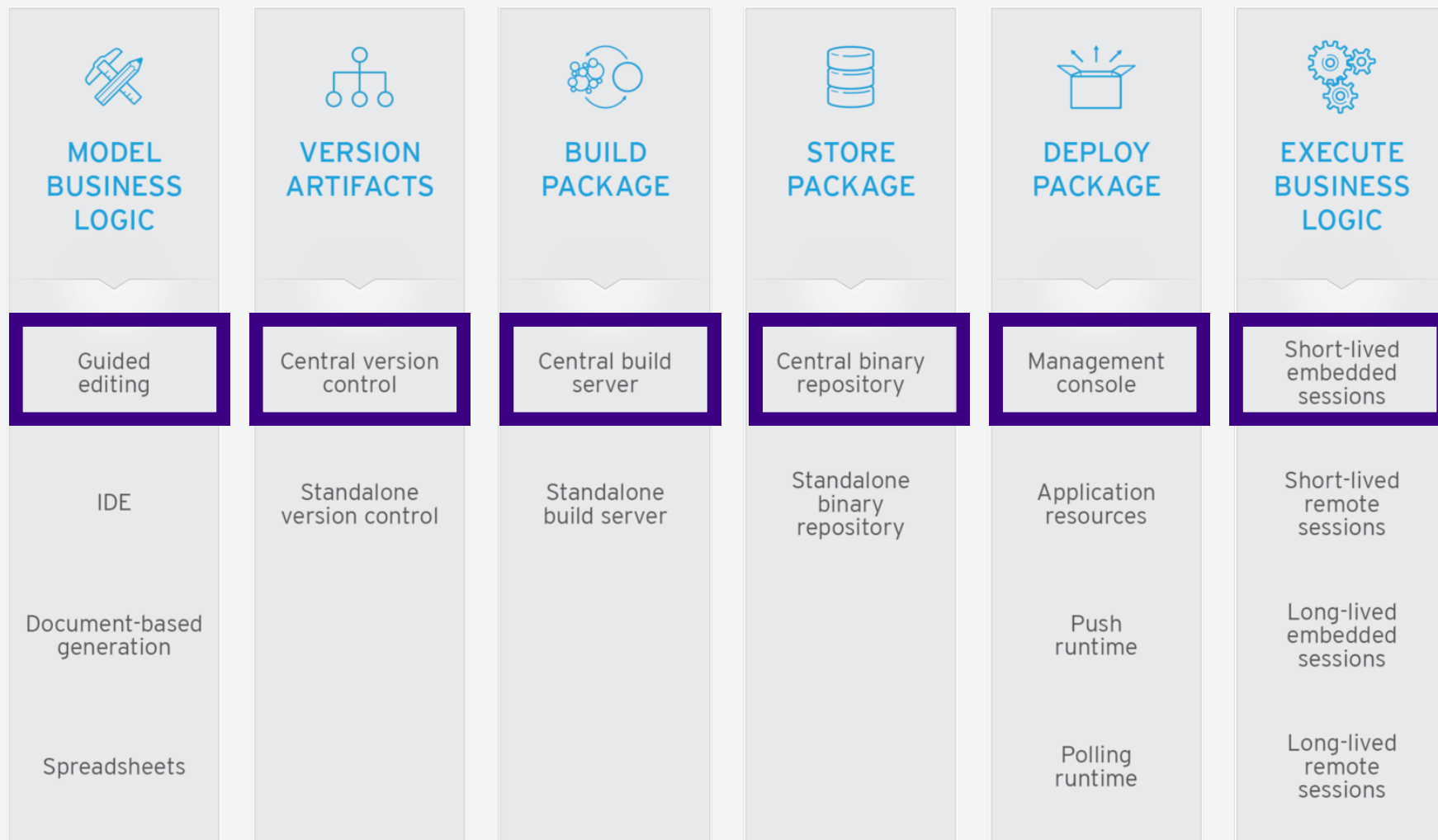
WHY IS RED HAT DIFFERENT?



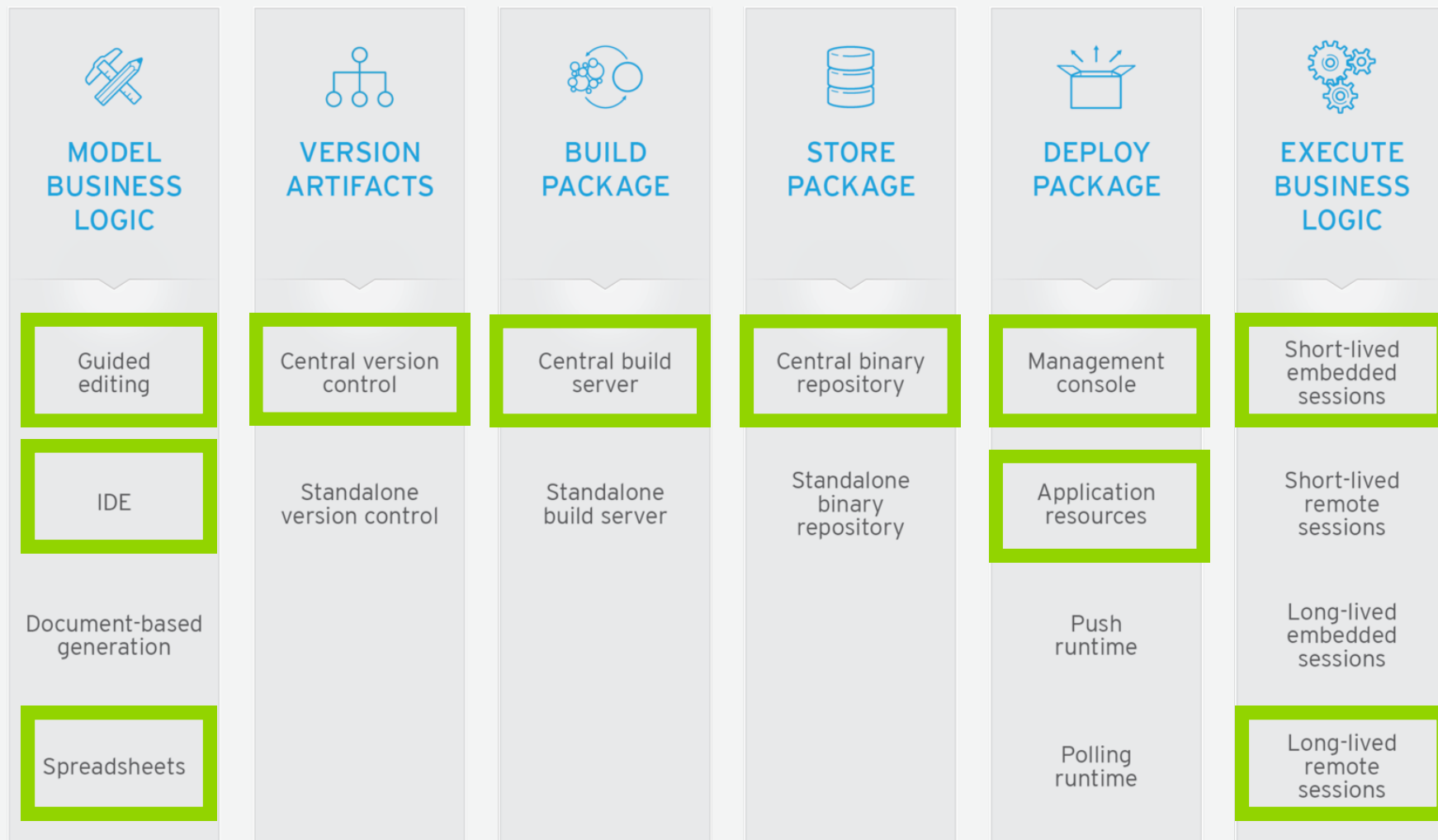
PRODUCTION EXAMPLES

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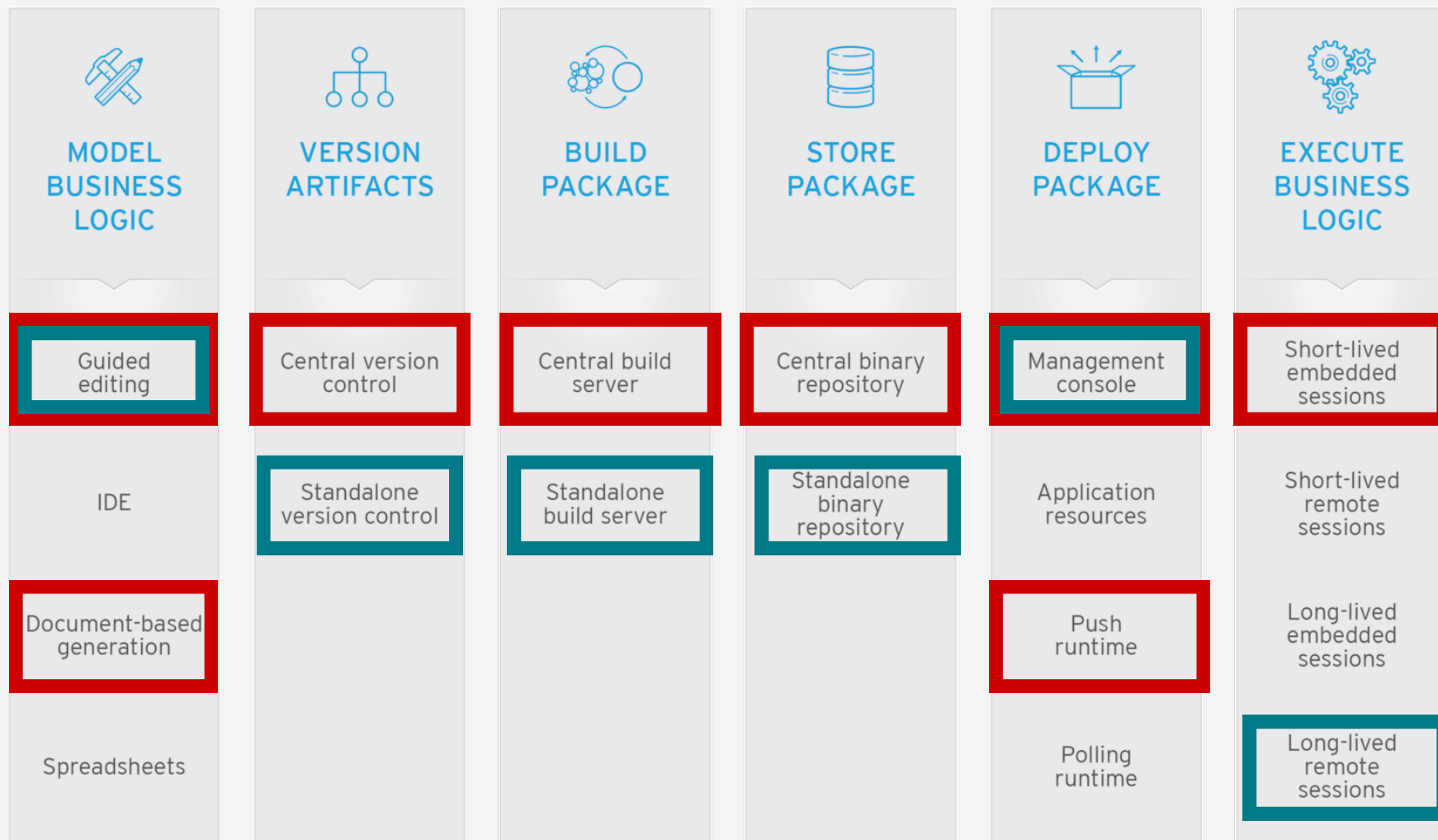
EXAMPLE #1



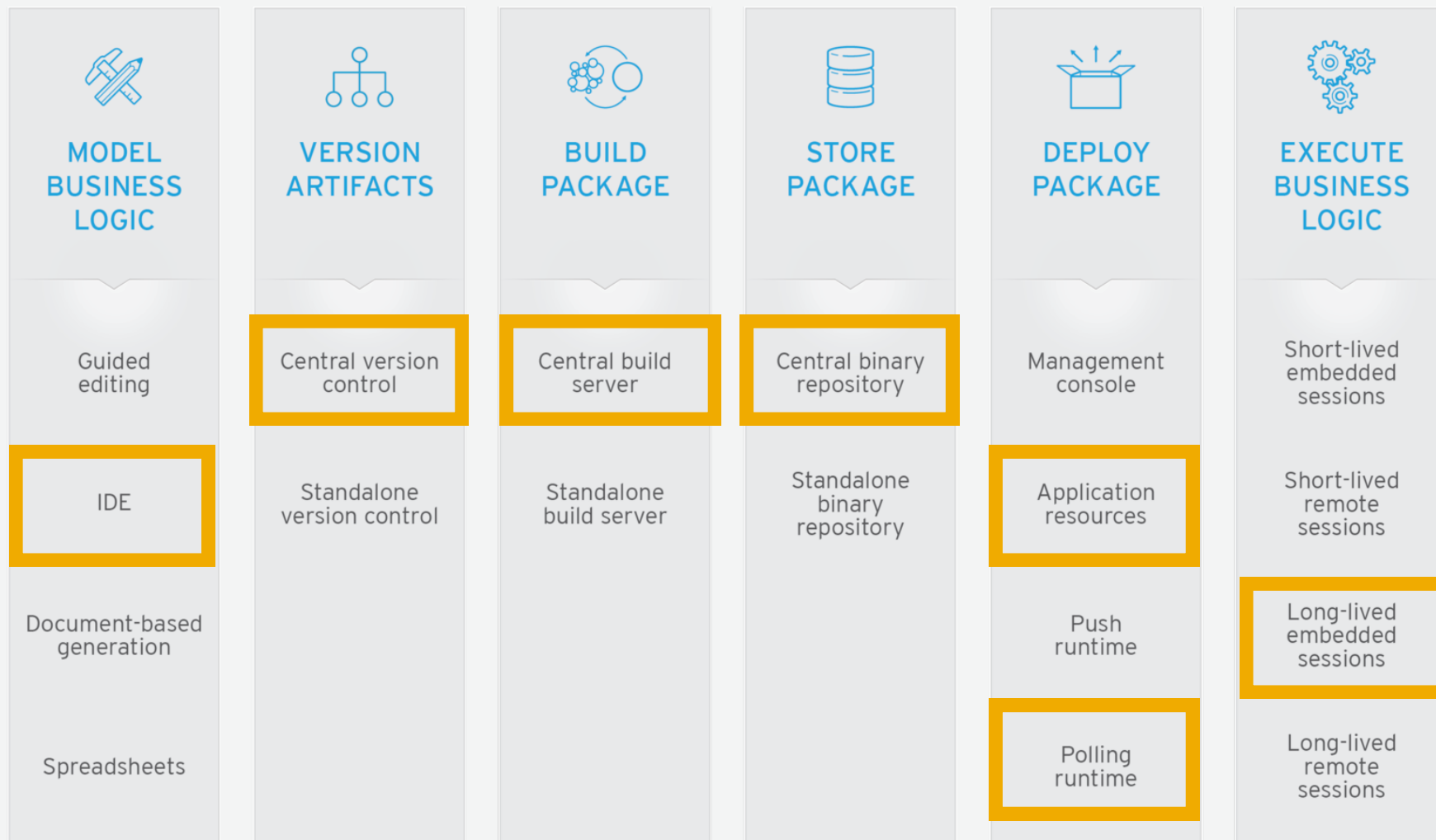
EXAMPLE #2



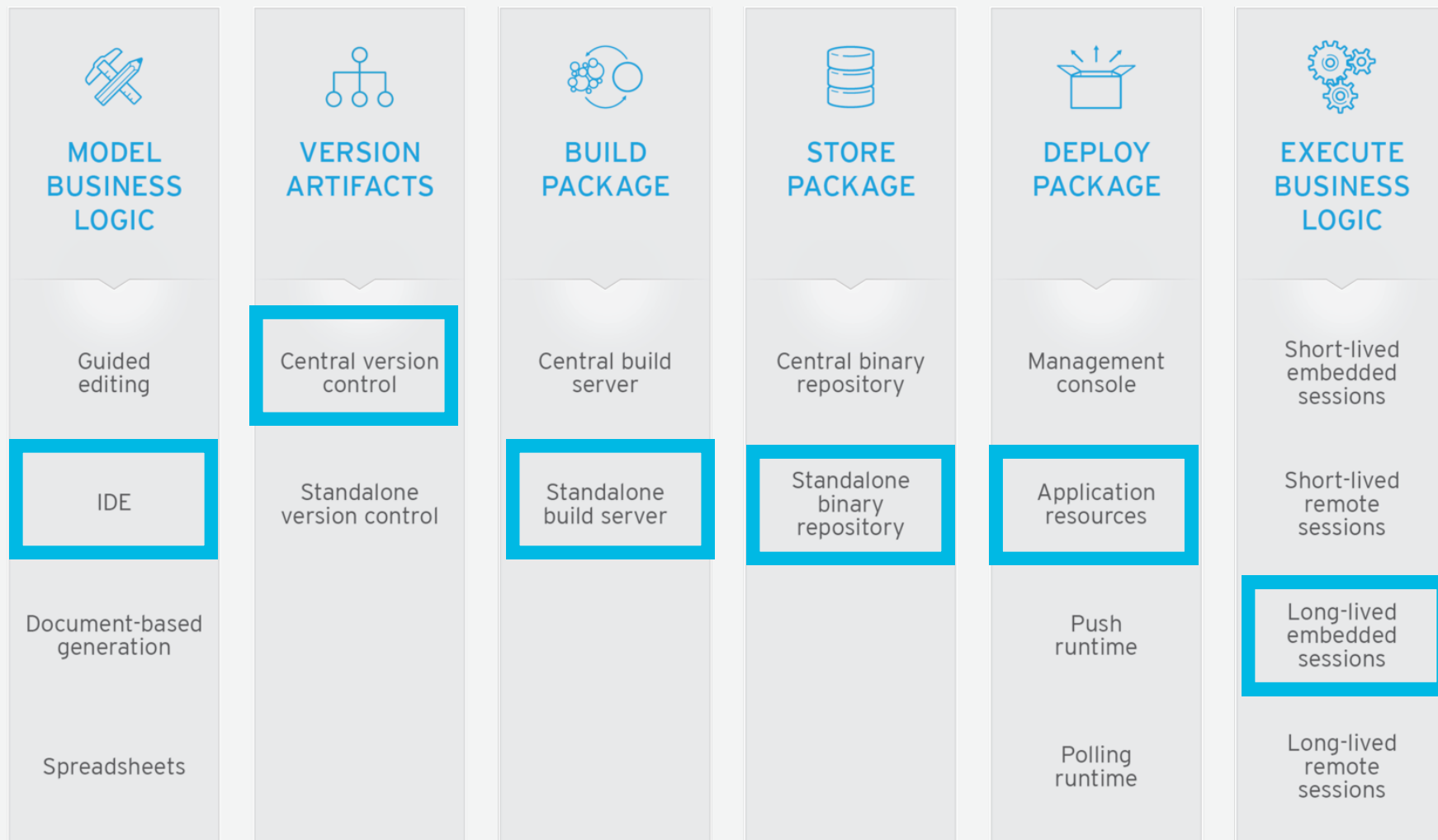
EXAMPLE #3



EXAMPLE #4



EXAMPLE #5



The logo features the text "RED HAT SUMMIT" in white, bold, sans-serif font. "RED HAT" is in a smaller size above "SUMMIT". The text is contained within a red, speech-bubble-like shape with a pointed bottom.

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LEARN. NETWORK.
EXPERIENCE OPEN SOURCE.

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