

QUICK REFERENCE:

CAPABILITIES TO DRIVE

IMPROVEMENT

Our research has uncovered 24 key capabilities that drive improvements in software delivery performance. This reference will point you to them in the book. A detailed guide is found in Appendix A. They are presented in no particular order.

The capabilities are classified into five categories:

- Continuous delivery
- Architecture
- Product and process
- Lean management and monitoring
- Cultural

CONTINUOUS DELIVERY CAPABILITIES

1. Version control: Chapter 4
2. Deployment automation: Chapter 4
3. Continuous integration: Chapter 4
4. Trunk-based development: Chapter 4

- 5. Test automation: Chapter 4
- 6. Test data management: Chapter 4
- 7. Shift left on security: Chapter 6
- 8. Continuous delivery (CD): Chapter 4

ARCHITECTURE CAPABILITIES

- 9. Loosely coupled architecture: Chapter 5
- 10. Empowered teams: Chapter 5

PRODUCT AND PROCESS CAPABILITIES

- 11. Customer feedback: Chapter 8
- 12. Value stream: Chapter 8
- 13. Working in small batches: Chapter 8
- 14. Team experimentation: Chapter 8

LEAN MANAGEMENT AND MONITORING CAPABILITIES

- 15. Change approval processes: Chapter 7
- 16. Monitoring: Chapter 7
- 17. Proactive notification: Chapter 13
- 18. WIP limits: Chapter 7
- 19. Visualizing work: Chapter 7

CULTURAL CAPABILITIES

- 20. Westrum organizational culture: Chapter 3
- 21. Supporting learning: Chapter 10
- 22. Collaboration among teams: Chapters 3 and 5
- 23. Job satisfaction: Chapter 10
- 24. Transformational leadership: Chapter 11