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Testing with Test Kitchen

Developing Cookbooks with Test Kitchen

Best Practices - level 100

Introduction to Chef, Test Kitchen, and InSpec

What is Chef?

What is InSpec?

What is Workstation?

What is Test Kitchen?

Recap:

- Chef Infra Client
- Chef InSpec
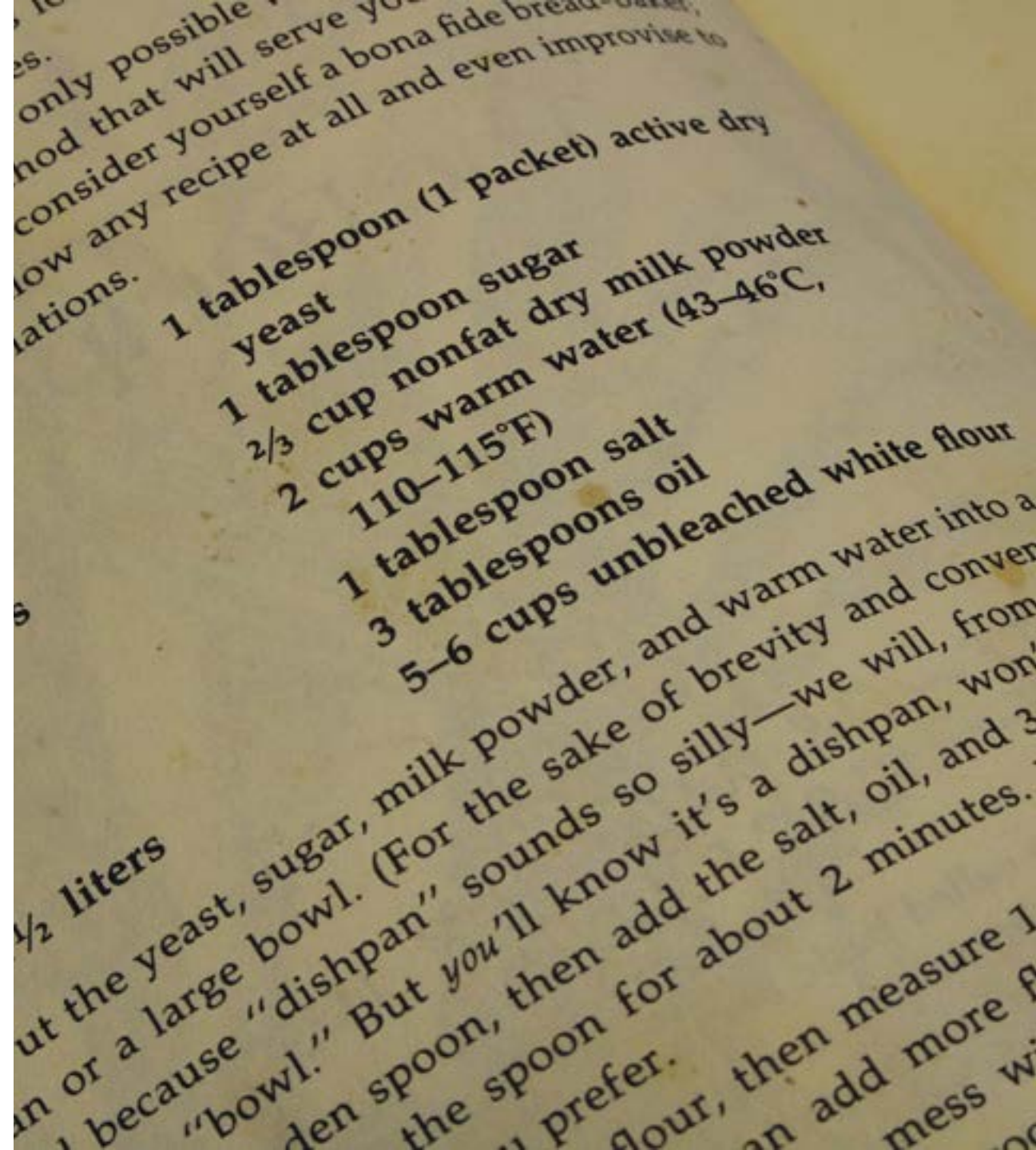- Chef Habitat
- Chef Knife
- Chef CLI
- Test Kitchen
- Cookstyle

Best Practices

Testing with Chef, Test Kitchen, and InSpec

Practice Makes Better

Testable Cookbooks:

- Small, reusable recipes

- Version pinning in metadata

- Custom resources

- Minimal Branching

Effective Utilization of Test Kitchen

- Understand the Configuration

- Write Meaningful Tests

- Test Across Multiple Platforms

- Iterate Quickly with Test Kitchen Commands

- Debugging and Troubleshooting

- Keep Tests Up-to-Date

- Collaborate and Share

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Cookbooks are Code

- Use Version Control

- Multi-platform testing strategy

- Pipeline Integration

Part 2:

Hands-On-Labs