# Story Pack 5: The Ambiguous Migration

## Scenario

Your team is migrating a legacy .NET monolith to the cloud. Some prefer lift-and-shift, others want a full refactor. Stakeholders are split.

## Objective

Use prompt engineering to explore trade-offs and justify a migration decision.

## Step-by-Step Instructions

1. 1. Discuss what lift-and-shift and refactor mean for your team.
2. 2. Use the prompt:  
    'Compare lift-and-shift vs. refactor for migrating a legacy .NET monolith. Include effort, risk, cost, and timelines.'
3. 3. Evaluate if the response fits your organization’s constraints.
4. 4. Assign team roles and complete the bonus tasks.
5. 5. Improve the prompt with realistic team/budget/timeline details.
6. 6. Draft a summary proposal justifying your chosen strategy.

## Common Pitfalls

* - Ignoring constraints like team size or timelines
* - Glorifying one option without trade-offs
* - Generic responses without tech specificity
* - Lack of risk/milestone clarity

## Bonus Missions by Role

|  |  |
| --- | --- |
| Role | Challenge |
| Engineer | List concrete migration tasks and effort for both strategies. |
| Architect | Create diagrams for each approach with the LLM. |
| Product Owner | Align migration options with business timelines. |
| Scrum Master | Map risks and cross-team dependencies using LLM. |

## Pre-Task Checklist

☐ Have we defined the problem clearly?

☐ Have all team members picked a role?

☐ Have we run at least two prompt iterations?

☐ Have we validated the LLM output for accuracy and feasibility?

☐ Are we ready to present our solution back to the larger group?

## Team Notes

Team Brainstorm Notes:

Best Prompt We Used:

What We Improved After Feedback:

LLM Output Surprises:

## Team Reflection Questions

- What was your favorite LLM prompt or output?

- What didn’t go as expected during the activity?

- How did your team collaborate to solve the problem?

- Would you change your prompt strategy next time?

- What did this story teach you about LLMs and prompting?