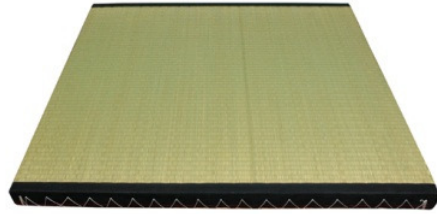


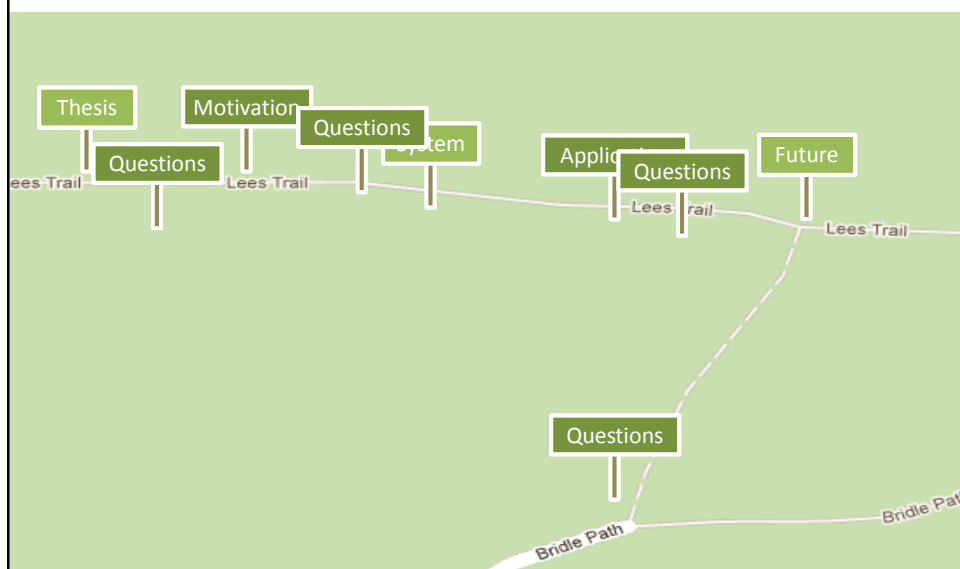
TaTAMi



Taint Tracking for Application Migration

MSc Research Presentation, Lee Beckman

Outline



Thesis



Application + Taint Tracking -> Guidelines for Migrating Application

Taint Tracking: Tag application data to monitor how it flows through application.

- Composition
- Modification
- Persistence
- Typically used in security

Migration: Deploying application in changed environment to meet growing demands.

- Locally
- Cloud
- Hybrid

Motivation



Needs of Applications

Demands are placed on an application, requiring change.

- Large, poorly understood, need **guidance**
- Difficult to know what changes are, **safe, optimal**
- Estimate use of resources
- Automated** analysis needed

Ex: **LinkedIn, MySpace, and Flickr**

- Major architectural revisions to keep up with growing demand.
- Expensive
- Using Understood Patterns

Research already exists to this end

- Room for improvement...



