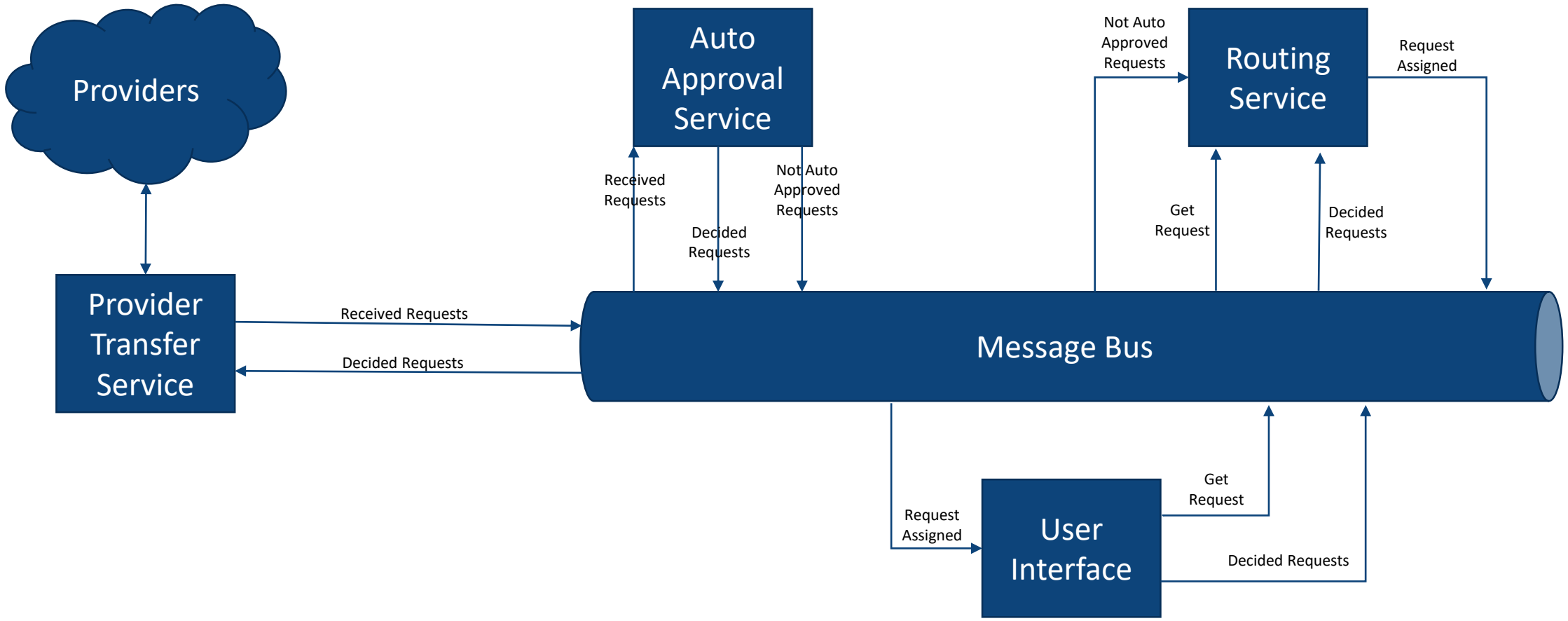
Wrap Up

Final Solution



Revisiting Prior Issues

- *Solution not keeping pace with rapidly growing business*
  - *Users receive timeout errors during busy times*

- **Services are now working from local repos rather than putting increasing strain on a centralized DB**

Revisiting Prior Issues

- *Solution not keeping pace with rapidly growing business*
  - *Lead time for new hardware limiting system's ability to scale*
    - *Management hesitant to let servers to sit idle during non-peak times*
  - *Team does not have skills to manage network load balancing*

- **Azure resources can be added with little lead time**
- **Built-in auto-scaling with more options available for additional cost**
- **Minimal load balancing configuration necessary**

Revisiting Prior Issues

- *Turnaround time for providers needs to be reduced from days to hours*
  - *Input/output from/to providers only done in nightly jobs*

- **Events indicating decisions made on requests are available in real time on the message bus**

Revisiting Prior Issues

- *New features and enhancements take too long or not possible*
  - *Need real-time view of active requests, but additional load likely to lead to additional performance issues*

- **New components can now be added with little impact on existing ones**
- **Real-time information is accessible in the Message Bus without straining other processes**

What Have We Learned?

- Manage resources in Azure
  - Creating in Azure
  - Publishing to Azure
  - Creating via Azure Resource Management (ARM) templates
  - Configuring/updating/monitoring in the portal
- Connect to Message Bus to publish/consume events
  - Create hubs
  - Configure access policies and consumer groups
- Use Azure Functions & App Services
  - Timer trigger
  - Event hub trigger

Cleanup Azure Resources

- Don’t want to leave these resources running because they will cost you, but we can export scripts that you can reapply later if you might want to work on this more later

Contact Us

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