thriftly.io
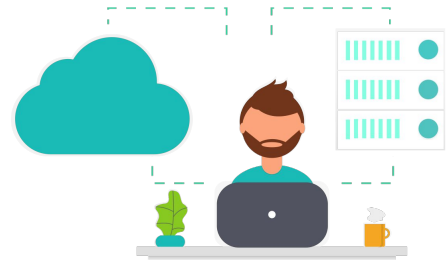
A simpler way to transform Windows legacy apps to cloud native

Thriftly simplifies the process of transforming monolithic, Windows-based applications into cloud-native or hybrid cloud applications so that systems integrators and software vendors can stay competitive by reducing the time it takes to redevelop their systems.

Challenges

Transforming legacy, monolithic applications into a services-oriented architecture typically involves refactoring the existing code base, adding a new layer for API hooks, and deciding on a message format to exchange data between the service and the clients.

Companies looking to move to a microservices architecture often face three significant challenges:

- **Complexity in re-engineering:** While breaking up the monolithic application into many services makes the entire system more resilient and agile, it also brings in more complexity to the architecture and must be carefully thought out.
- **Lack of expertise:** Companies often do not have skilled programmers who can handle a complex API-driven architecture.
- **Need for hybrid cloud:** On-premise systems must be preserved while also finding a way to integrate them with their new services applications.
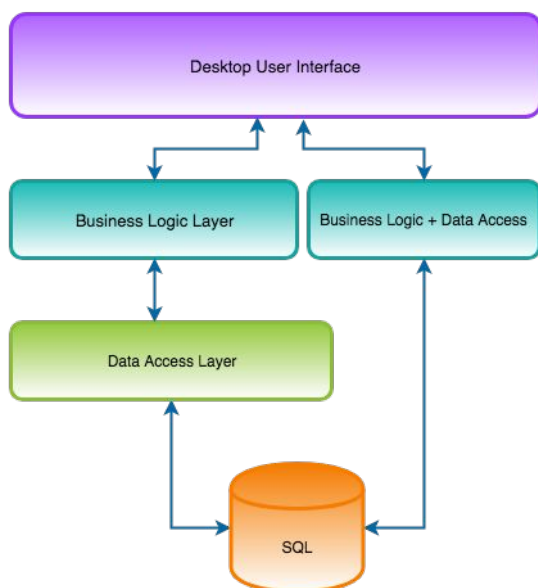
Solution

While refactoring code varies from application to application and is a manual process, the steps for creating API hooks and handling the message structures used in the API can be greatly simplified.

Thriftly makes the transformation process easy by completely eliminating the need to write extra code for building APIs and converting structures to the correct message format between the services and the client.
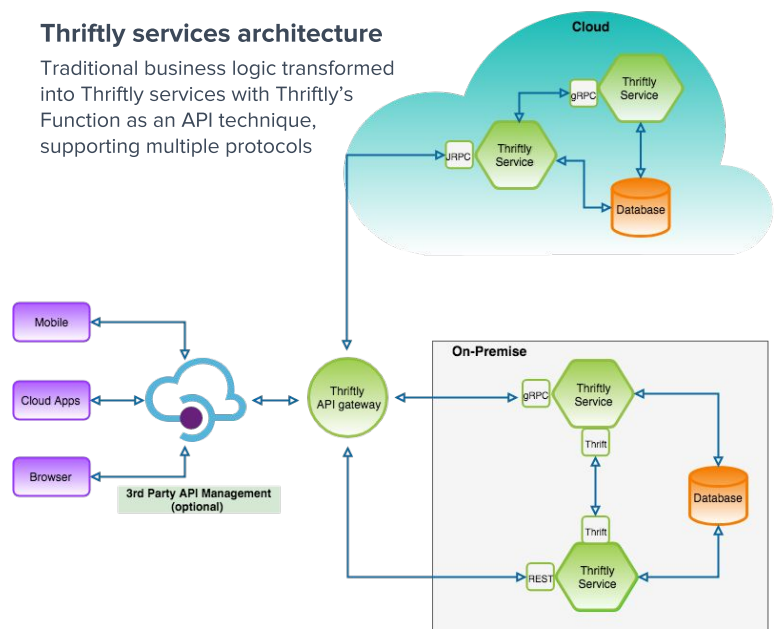
Before

Typical Windows monolithic deployment

After

Thriftly services architecture

Traditional business logic transformed into Thriftly services with Thriftly's Function as an API technique, supporting multiple protocols

Features

- **Function as an API**
  Easily transform existing programs into versatile micro-services that support both RESTful and RPC APIs. Thriftly handles all the work needed to create the APIs, expediting your transition to cloud-ready applications.

- **Process pooling and endpoint management**
  Manage all your services' endpoints and computing resources by increasing or decreasing each service's process pools.

- **Legacy language support**
  Create web APIs from any application written in C#, VB.NET, Java, DataFlex, or Delphi.

- **Globally accessible, secure API proxies**
  Host your API using our global, cloud-based API proxy and industry-standard SSH tunneling technology.

- **Multi-protocol support**
  Serve your APIs using any or all of the JSON-RPC, JSON-REST, SOAP, Apache Thrift, and gRPC protocols, without writing any protocol-specific code.

- **HTTP and TCP transport support**
  Call your APIs using either HTTP or TCP transports, whichever fits your needs.

- **Built-in API testing interface**
  An integrated API testing framework allows developers to test APIs quickly and takes the guesswork out of front end developers' integration efforts.

- **Always-available live documentation**
  Thriftly generates documentation detailing the API interfaces and details of data structures. The documentation is always available through the developer.

- **Easy-to-implement API security**
  Easily secure your Thriftly APIs with built-in JSON Web Token (JWT) support.

- **Third-party API management integration**
  Use Microsoft Azure, Amazon Web Services, Kong, or other solutions to further monitor, manage, and monetize your APIs.

- **Remote deployment via Powershell scripts**
  Deploy APIs remotely using automated Powershell scripting, allowing developers to quickly roll out Thriftly services at multiple locations.

Advantages

- Give new life to legacy applications, while preserving previous investments.

- Reduce legacy modernization costs without impacting DevOps.

- Create seamless hybrid cloud applications with on-premise data.

- Systems integrators can complete app modernizations faster, creating new recurring revenue.

- Independent software vendors can transition from Windows-based to cloud-native without breaking the bank.

Testimonials

"Rewriting our existing applications to function efficiently on web and mobile would've cost more than we were willing to spend. Thankfully, we found Thriftly."
Coby Sparks, CIO | J.Renee Group

"Using Thriftly, we converted our existing business logic to web APIs with very little work. That's a great advantage for software vendors launching new solutions."
Henry Sheldon, CEO | FMS

Learn more about how you can transition your Windows application to a cloud or hybrid cloud application: download the free white paper

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