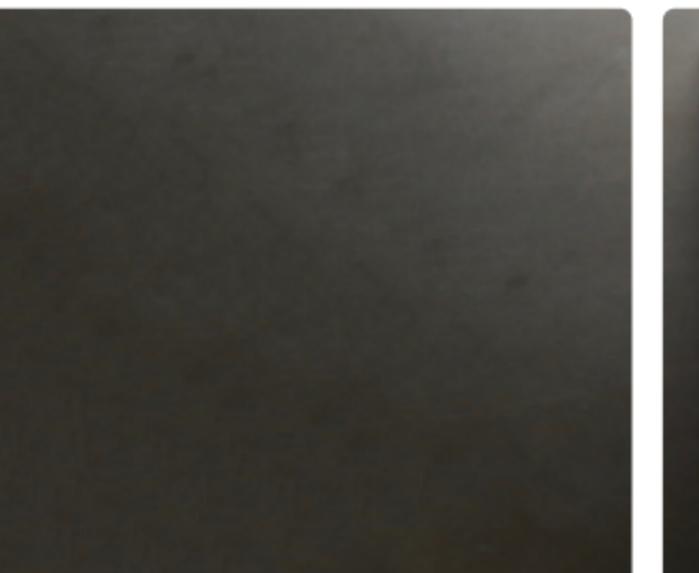
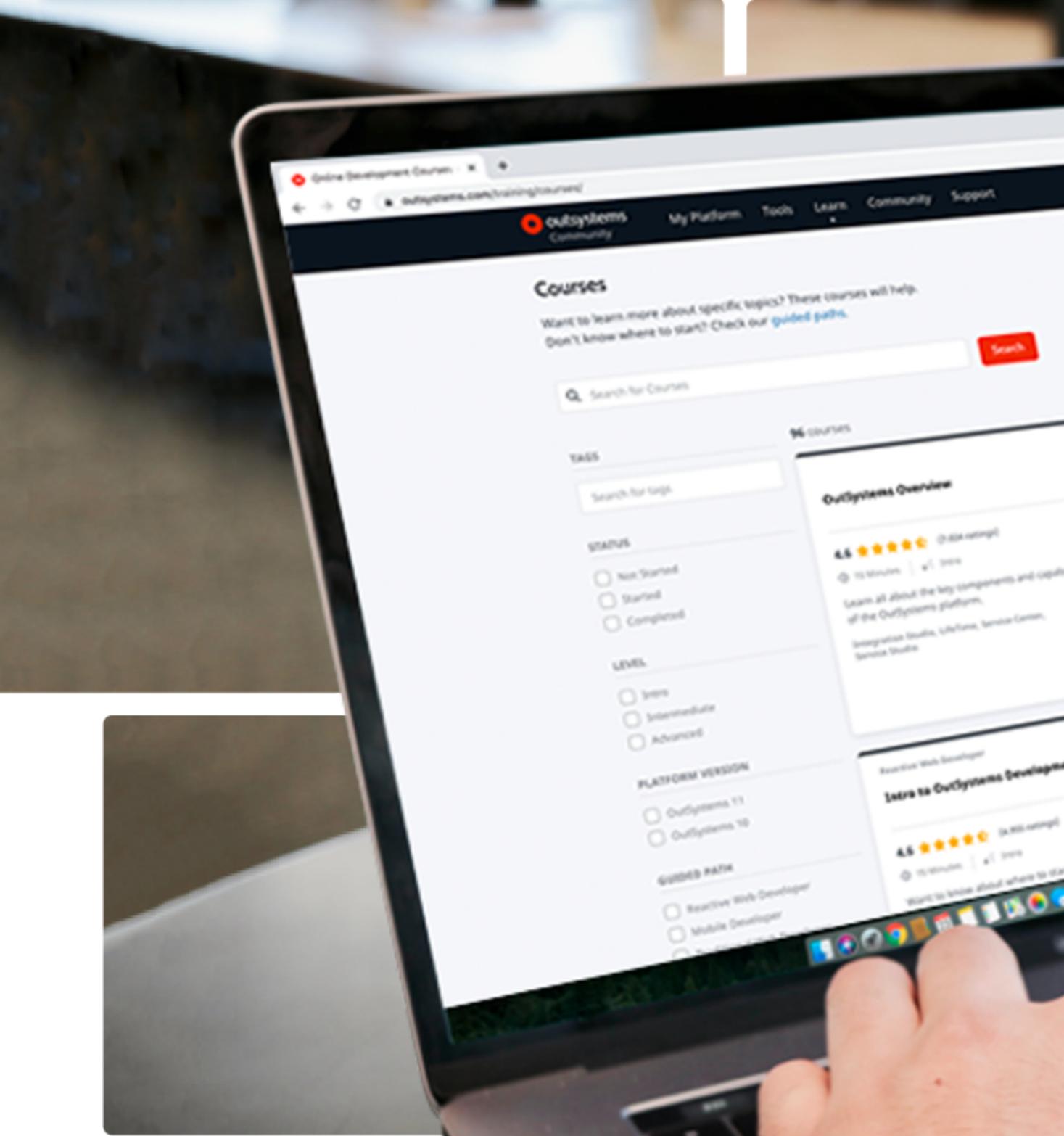


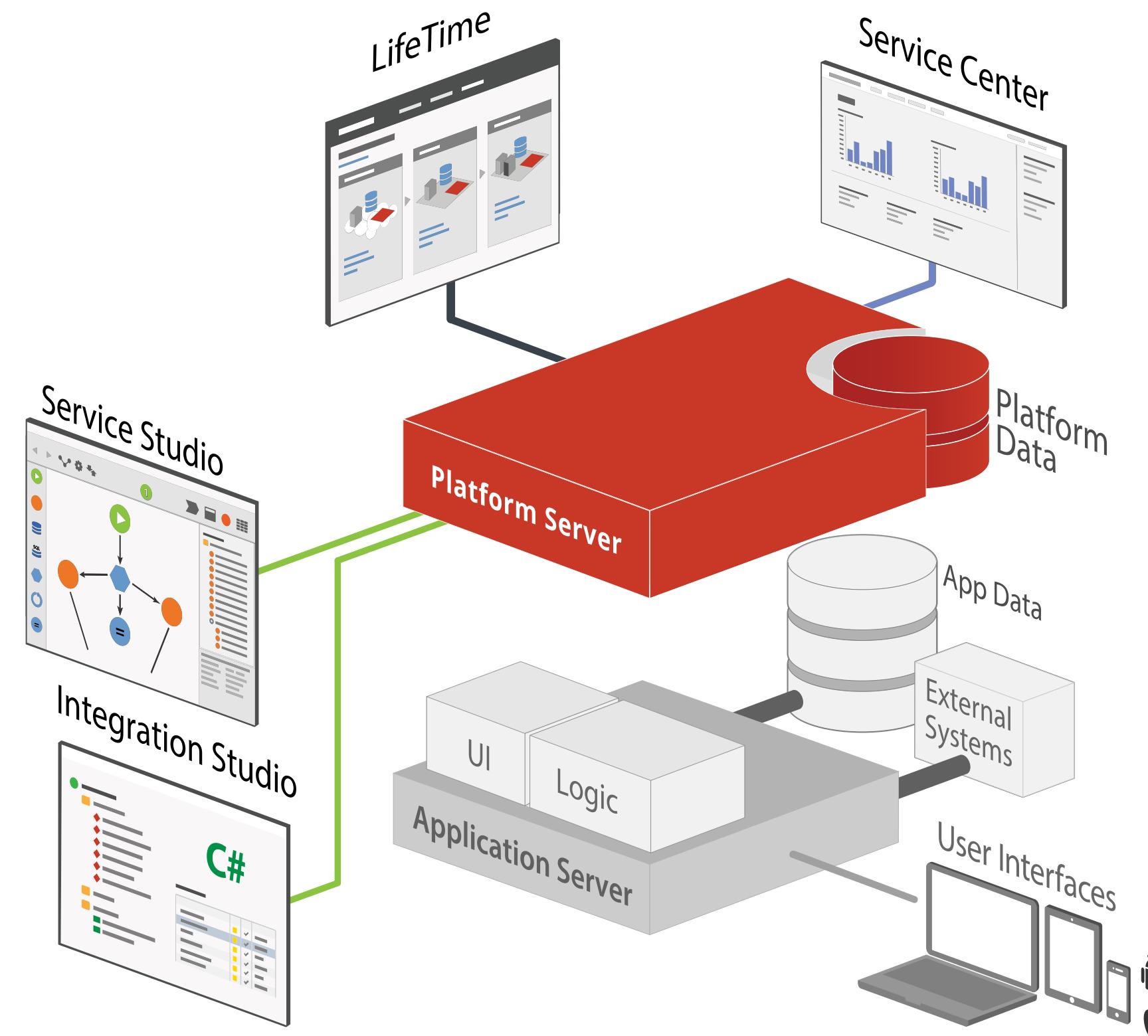


# OutSystems Components and Tools

The Platform Server  
Development  
Admin & Operations  
Forge and Community

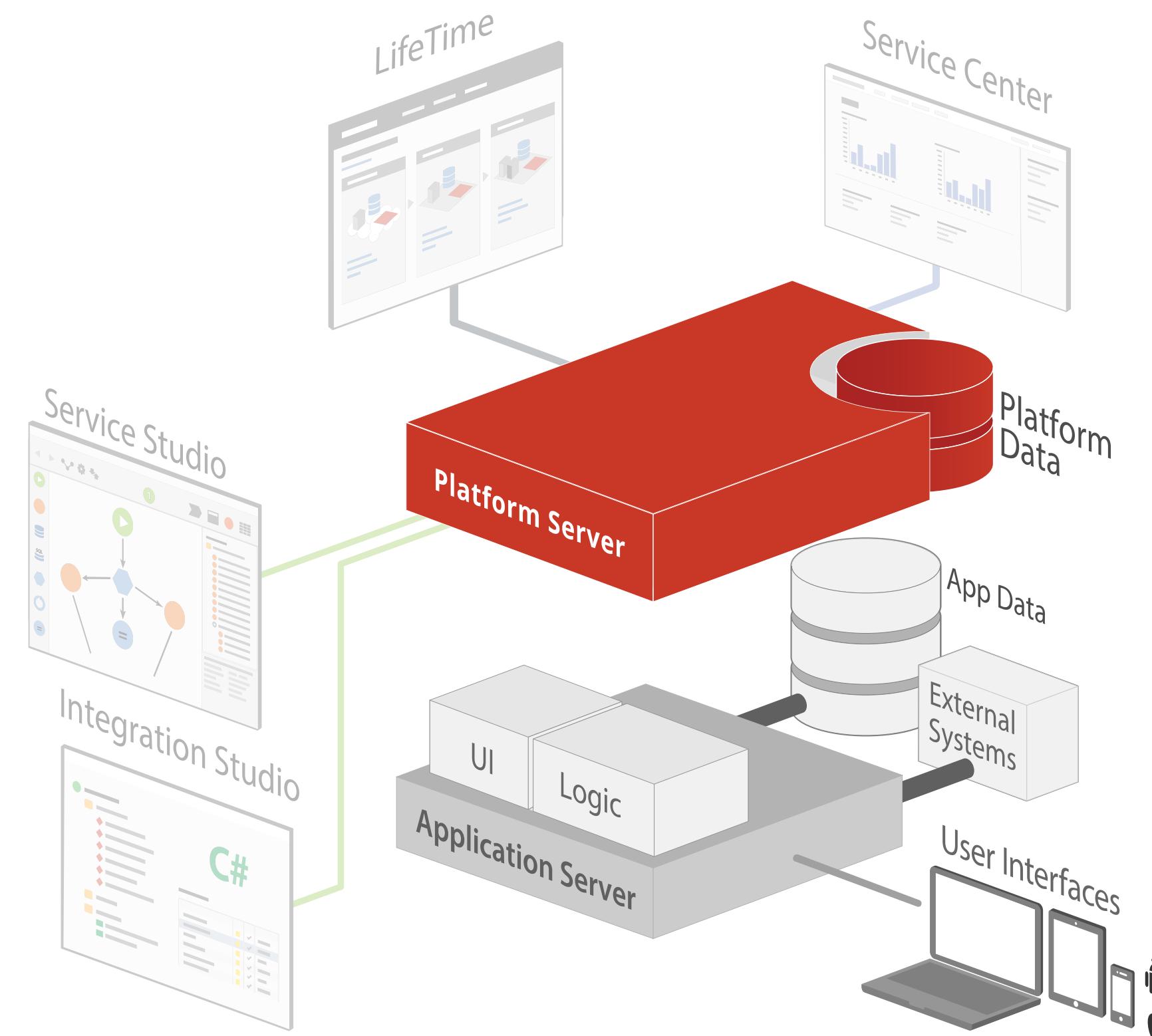


# OutSystems Components and Tools



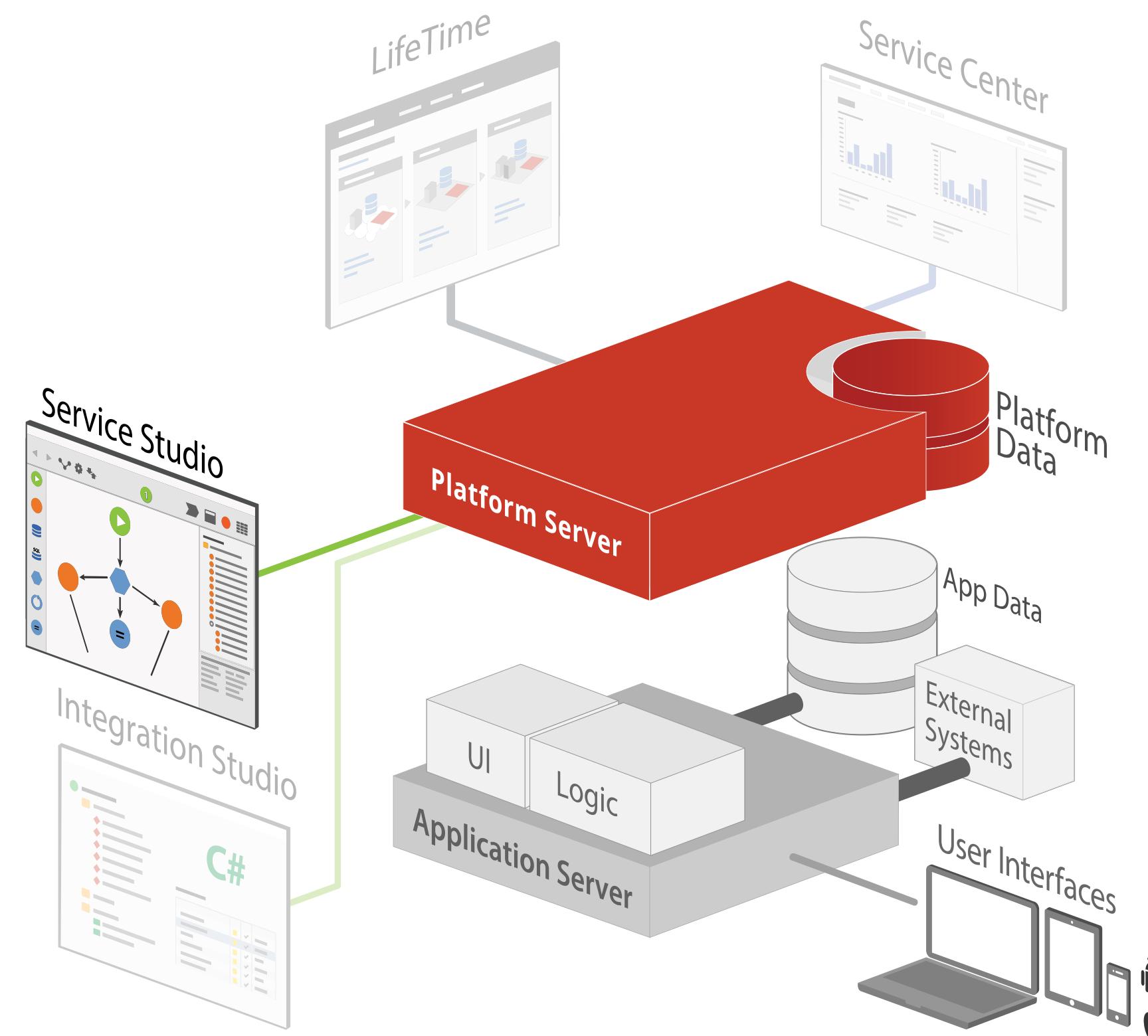
# The Platform Server

- Compiles
- Deploys
- Manages
- Runs
- Monitors



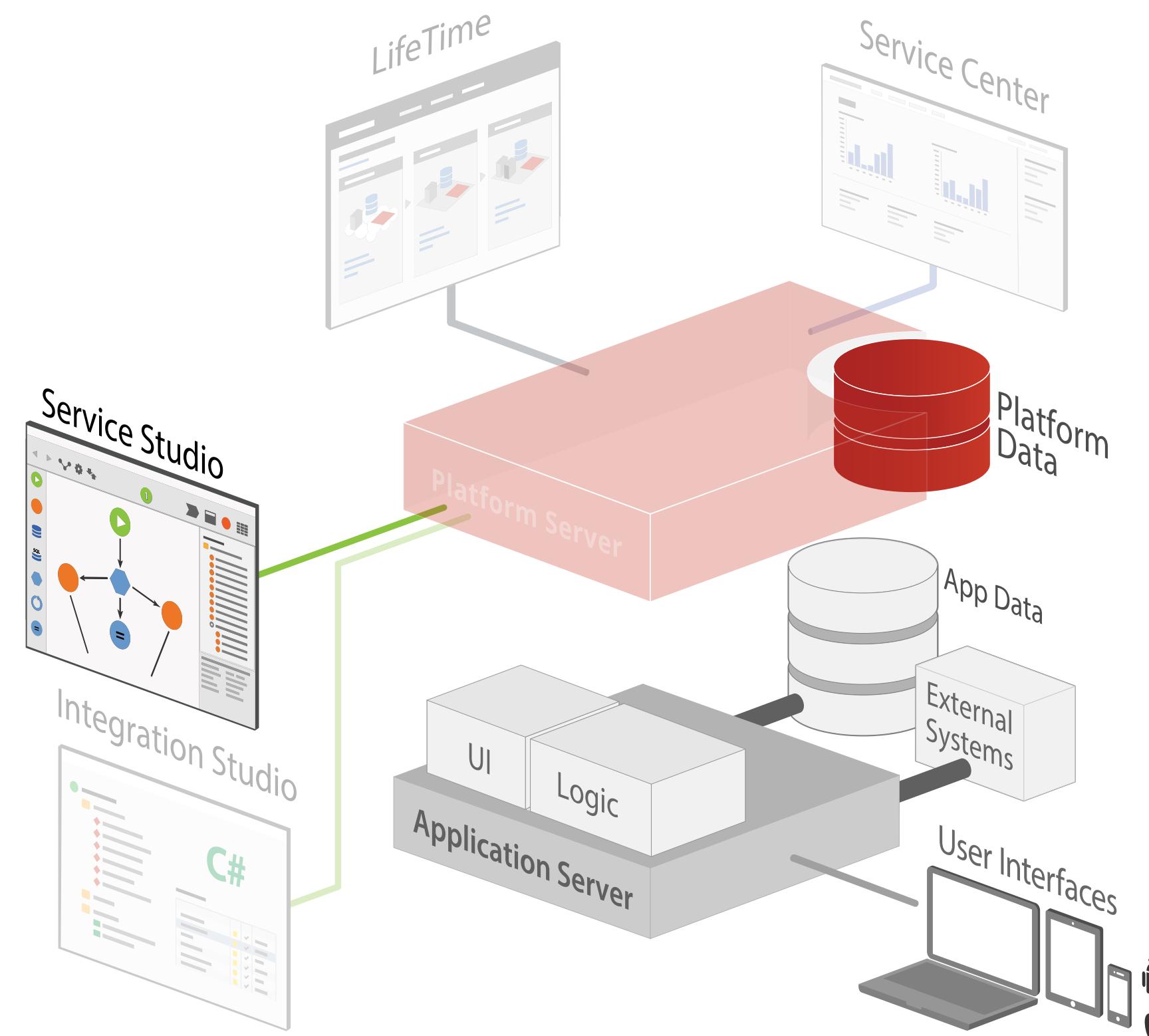
# Service Studio

- Visual Design and Development



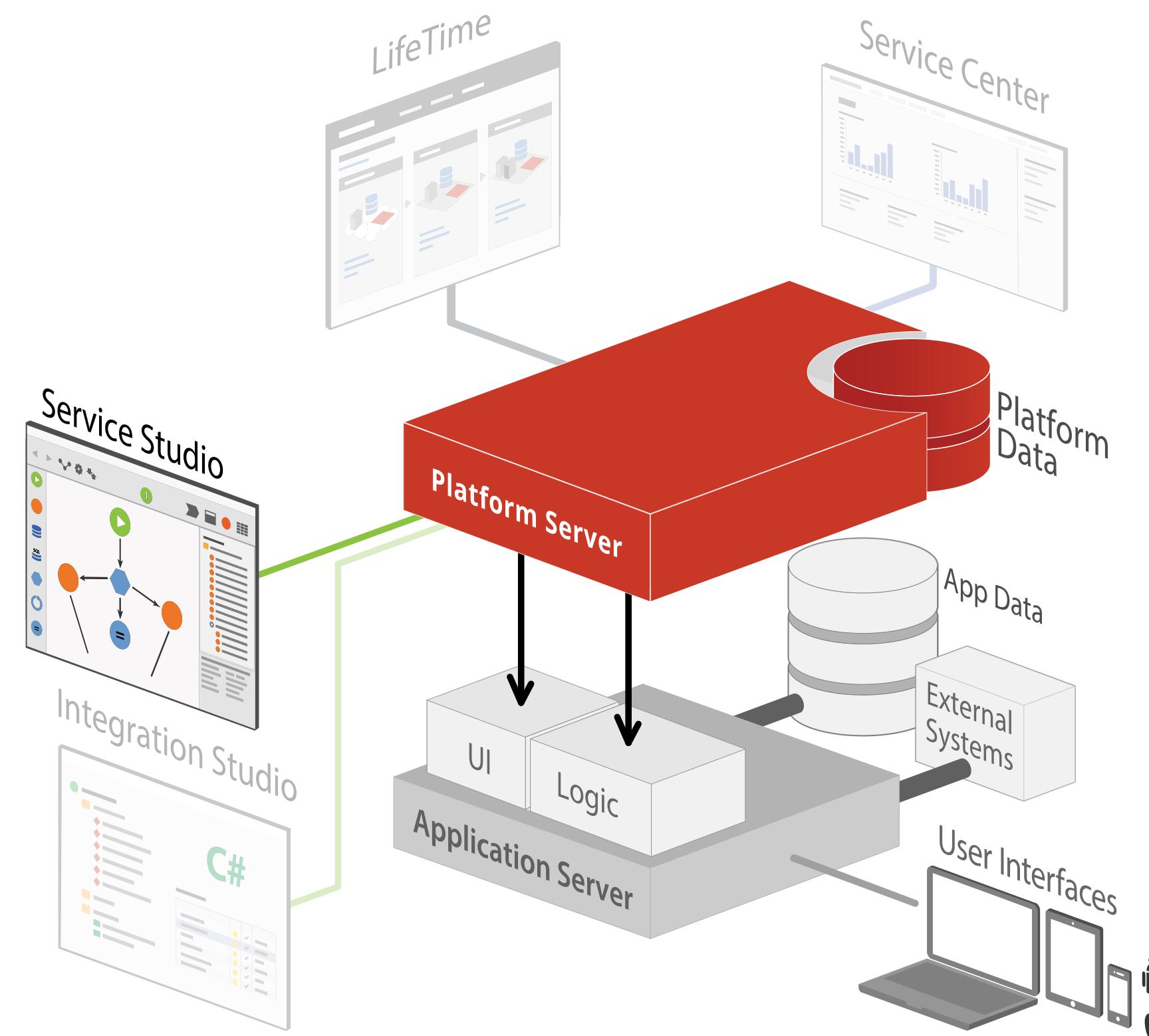
# Service Studio

- Visual Design and Development



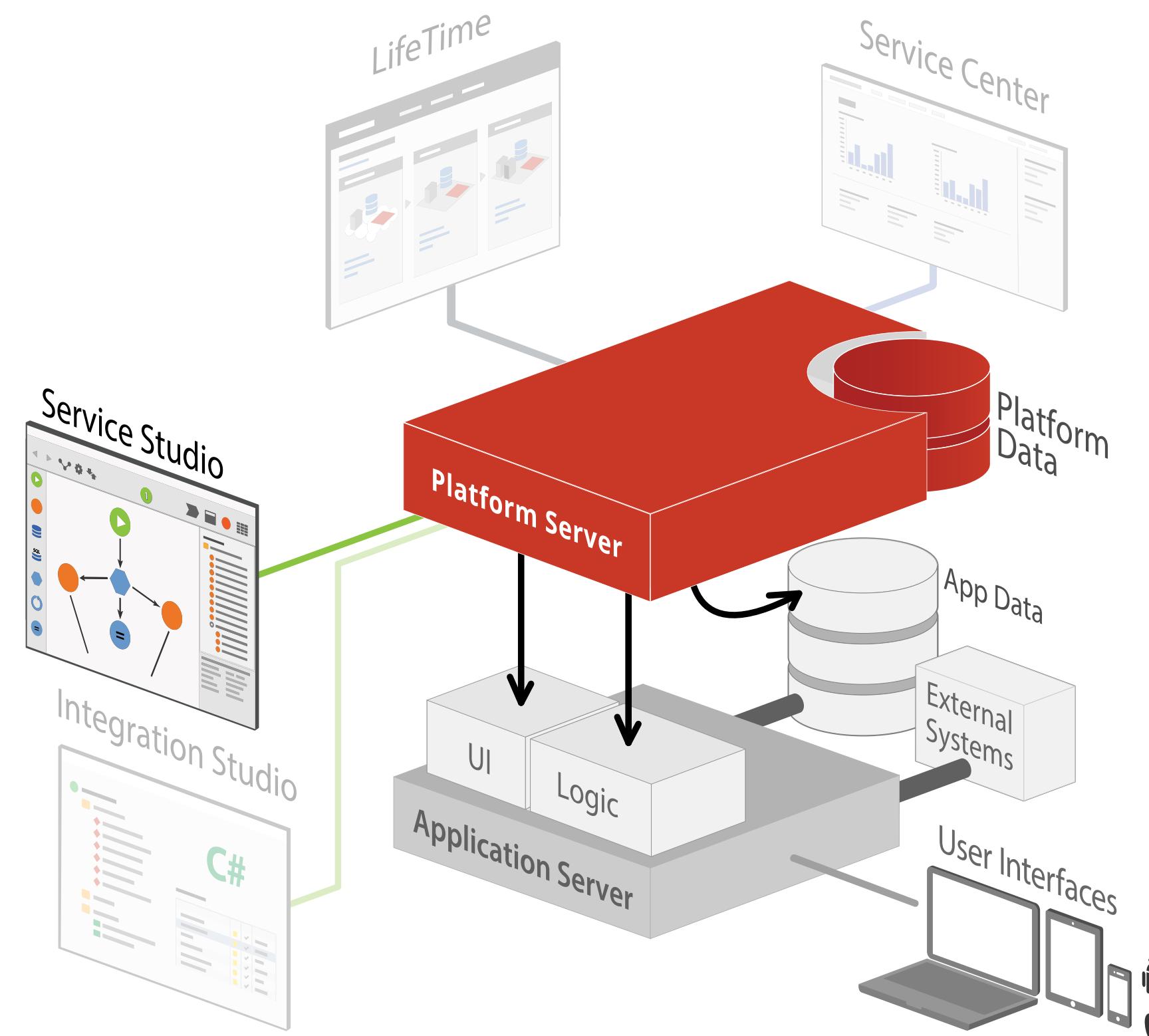
# Service Studio

- Visual Design and Development



# Service Studio

- Visual Design and Development

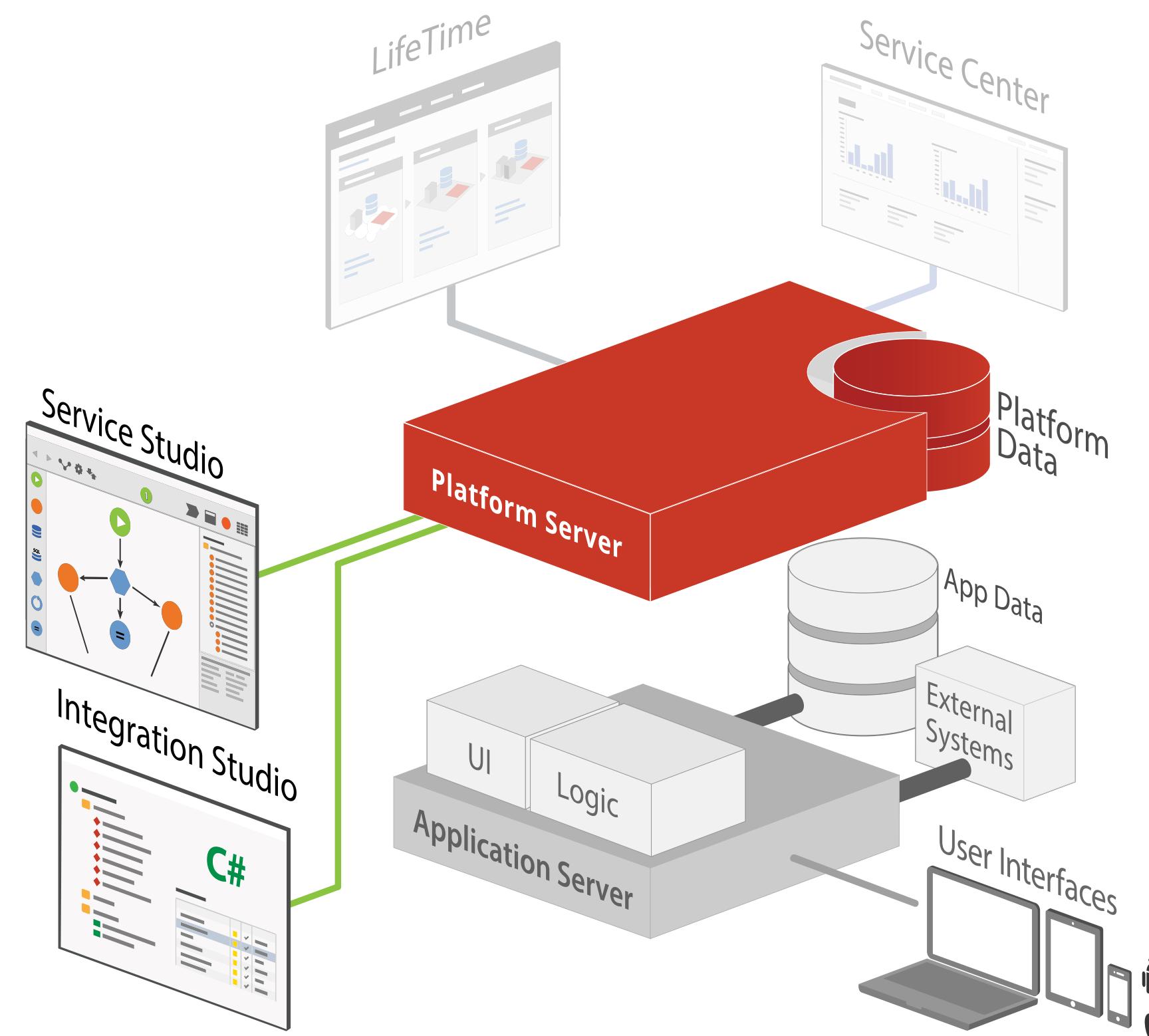


# Service Studio

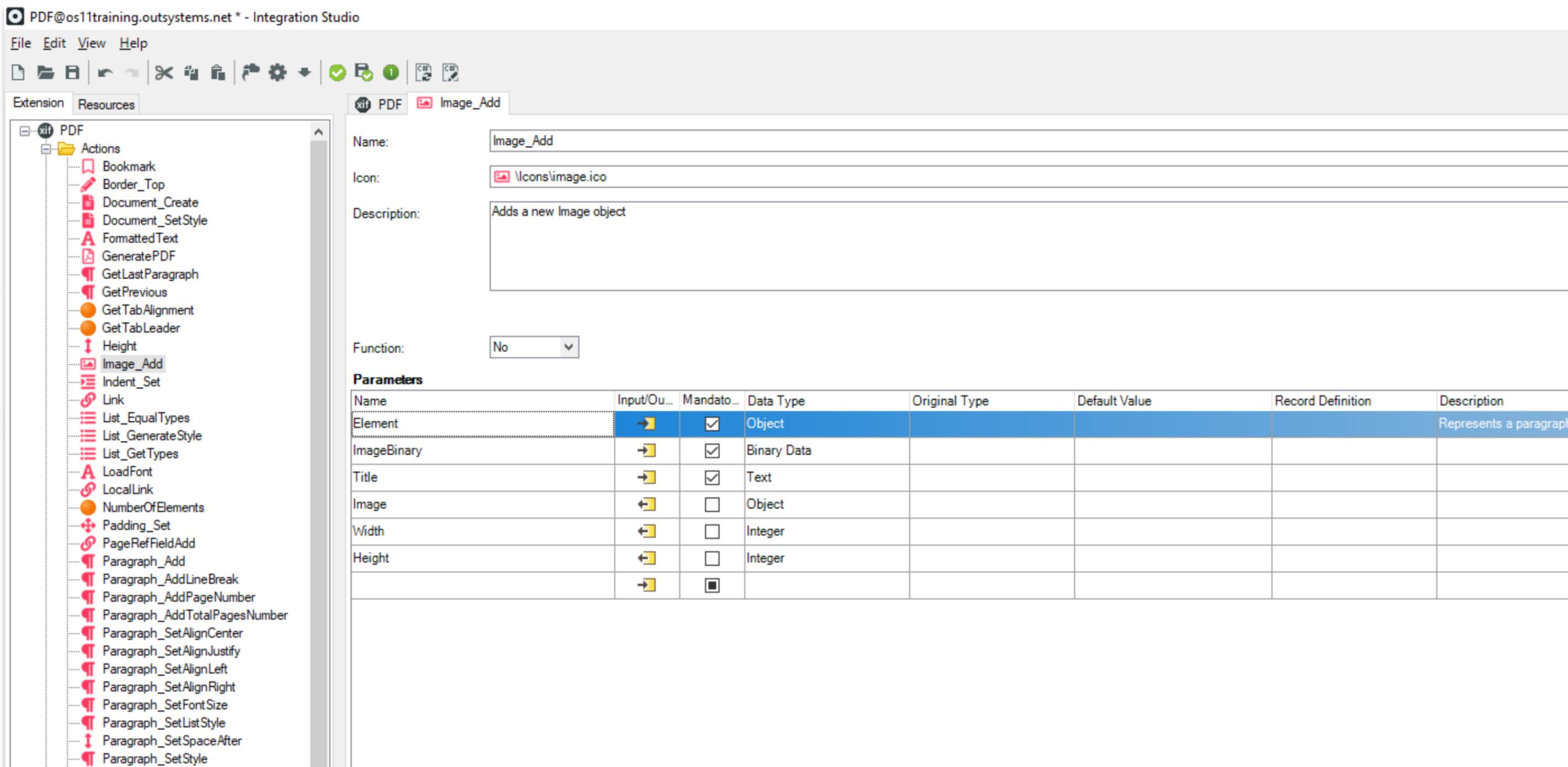


# Integration Studio

- Integration with external systems
  - .NET Code
  - Databases

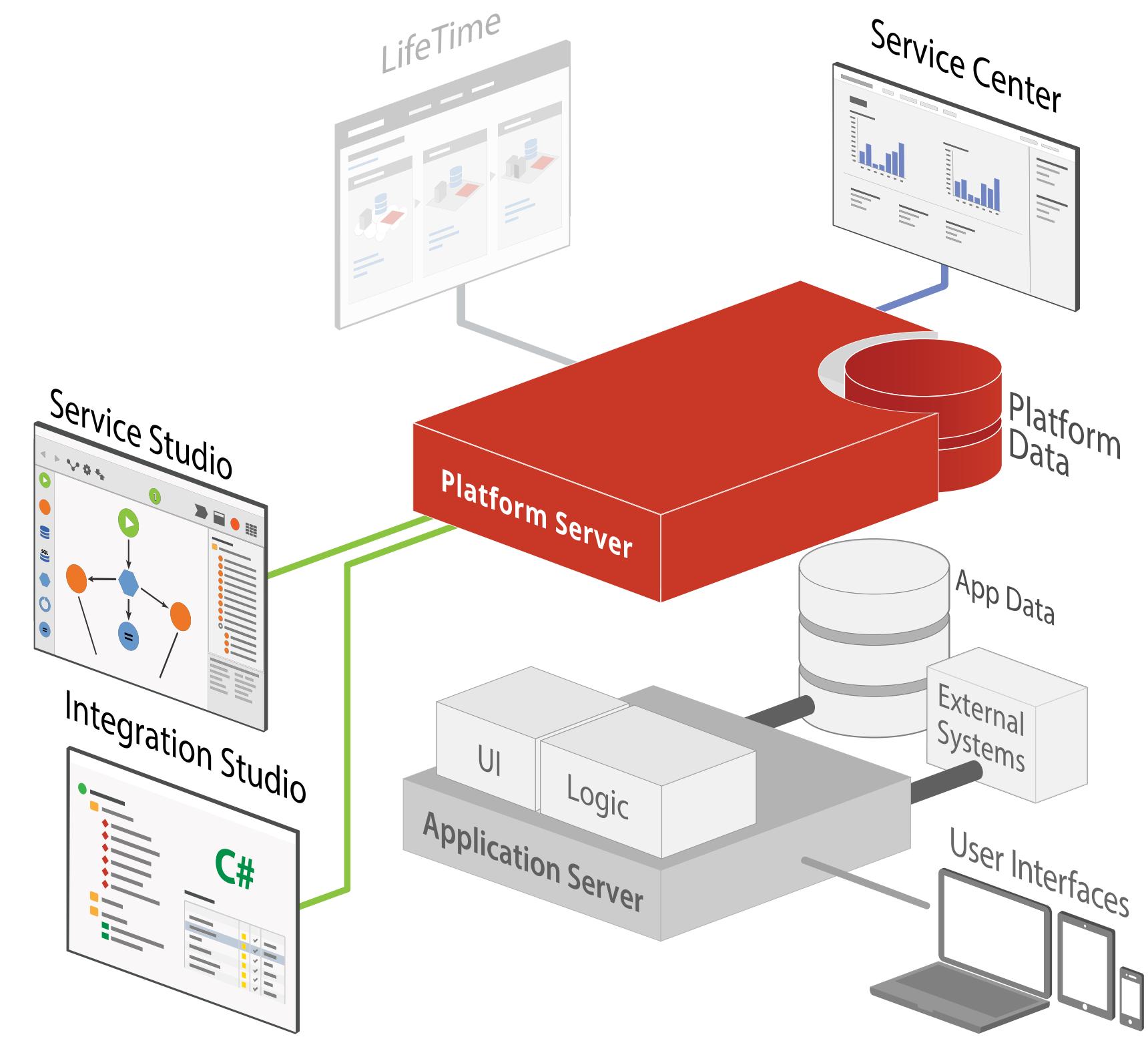


# Integration Studio



# Service Center

- Manage the server



# Service Center

outsystems • Service Center    Factory    Monitoring    Administration    Analytics

Search

## Home

Web screen views in the last 7 days

| Date | Views |
|------|-------|
| 6/3  | 14091 |
| 7/3  | 4787  |
| 8/3  | 5077  |
| 9/3  | 15198 |
| 10/3 | 16239 |
| 11/3 | 16756 |
| 12/3 | 14050 |

End-user accesses in the last 7 days

| Date | Accesses |
|------|----------|
| 6/3  | 3794     |
| 7/3  | 3165     |
| 8/3  | 3246     |
| 9/3  | 4350     |
| 10/3 | 4388     |
| 11/3 | 4370     |
| 12/3 | 3849     |

---

Recently published Modules

SAReActivity\_Theme  
2020-03-13 15:01 by carlos.perdigao@outsystems.com

SAReActivity\_CS  
2020-03-13 15:00 by carlos.perdigao@outsystems.com

SAReActivity  
2020-03-13 14:59 by carlos.perdigao@outsystems.com

SyncPOCFlow  
2020-03-11 17:40 by joao.figueiredo\_external@outsystems.com

Recently published Extensions

CustomerData  
2020-03-11 16:53 by joao.figueiredo\_external@outsystems.com

TextUtils  
2020-03-03 22:53 by guilherme.pereira@outsystems.com

IntegrationPlatformSnowflake  
2020-03-03 12:20 by guilherme.pereira@outsystems.com

DBCleanerTables  
2020-02-20 14:53 by joao.figueiredo\_external@outsystems.com

Recently published Solutions

System\_Components  
2020-02-04 08:22 by TechOpsAutomation@outsystems.com

System\_Components  
2019-11-26 09:06 by pedroluis.carvalho@outsystems.com

System\_Components  
2019-10-28 07:47 by TechOpsAutomation@outsystems.com

System\_Components  
2019-09-19 14:00 by TechOpsAutomation@outsystems.com

PRD - Federated  
Manage all environments in LifeTime

OutSystems Enterprise  
Licensed to OutSystems

Development purpose  
Debug Mode  
Version 11.7.2 (Build 5749)  
15:53 Fri 2020-03-13

Recent Items

Method  
Module  
SyncBootcamps  
Timer  
BootcampData  
Module  
Customer Satisfaction  
Application  
Training Intelligence  
Application  
UpdateAggregatedPublishRe...  
Timer  
PublishMetrics\_DISCONTINU...  
Module

# Service Center - Factory

outsystems • Service Center    **Factory**    Monitoring    Administration    Analytics

Search    🔍    ⚡    🔄

Applications    Modules    Extensions    Solutions

## Applications

Publish an Application

Name  Filter Reset

Previous    Next

| Name   | Last Published                                 | Action                           |
|--|--|----------------------------------|
| ACME Directory   | 2020-01-30 11:53:40<br>by OutSystems Developer | <button>Open in Browser</button> |
| Advanced Aggregates Exercise   | 2020-01-27 11:28:14<br>by Administrator        | <button>Open in Browser</button> |
| Aggregates 101 Exercise  | 2020-01-27 11:28:10<br>by Administrator        | <button>Open in Browser</button> |
| Amazon Polly   | 2020-01-27 11:36:21<br>by Administrator        | <button>Open in Browser</button> |
| AnotherSimpleApp<br>Another simple mobile application.   | 2020-01-27 11:27:20<br>by Administrator        | <button>Test App</button>        |
| App Feedback<br>For version 11.7.2.5749. App Feedback equips applications created with the Platform with feedback mechanisms that allow end-users to submit their feedback where and when it's most significant inside applications. | 2020-01-27 11:36:19<br>by Administrator        | <button>Open in Browser</button> |
| App Feedback Mobile<br>For version 11.7.2.5749. APIs to extend the functionality of App Feedback.  | 2020-01-27 11:21:42<br>by Administrator        | <button>Test App</button>        |

**OS11 Training**  
Manage all environments in LifeTime ↗

**OutSystems Universal**  
Licensed to OutSystems EAP

**Development purpose**  
**Debug Mode**  
Version 11.7.2 (Build 5749)  
11:53 Mon 2020-03-30

**Recent Items**

- JapanUtils Extension
- MyBPSampleReactive Module
- GoogleTextToSpeech Module
- Google APIs Application
- GoogleTextToSpeechREST Module
- react patterns Application
- ContinuousDelivery Module

# Service Center - Monitoring

The screenshot shows the OutSystems Service Center - Monitoring interface. The top navigation bar includes links for Factory, Monitoring (which is selected), Administration, and Analytics. A search bar and a refresh button are also present. Below the navigation, a secondary menu bar lists Errors, General, Traditional Web Requests, Screen Requests, Service Actions, Integrations, Extensions, Timers, Emails, Processes, Mobile Apps, Environment Health, and Security. The main content area is titled "Error Log" and displays a table of log entries. The table has columns for Time of Log, Module, Message, Source, and Server. The "Module" column includes dropdown filters for Application (All) and Module (All). The "Message" column contains a link icon. The "Source" and "Server" columns include "Detail" links. The "Time of Log" column shows dates ranging from March 27 to 29, 2020. The "Module" column lists various components like DigitalLogsSvc, (System), and KnowledgeQueueSorterData. The "Message" column contains error descriptions such as "403 Forbidden" and "Timer WeeklyUsage reached maximum number of retries (3) [Calculating next run]". The "Source" column indicates REST (Consume), BPM, or Scheduler. The "Server" column shows ACW16PRDP11. On the right side of the page, there is a sidebar titled "OS11 Training" with links to Manage environments in LifeTime, OutSystems Universal (Licensed to OutSystems EAP), Development purpose, Debug Mode, and Version 11.7.2 (Build 5749). The current date and time (11:53 Mon 2020-03-30) are also displayed. A "Recent Items" section lists various extensions and modules.

| Time of Log         | Module   | Message  | Source            | Server      |
|---------------------|--|--|-------------------|-------------|
| 2020-03-29 20:46:06 | DigitalLogsSvc<br>(Digital Platform Logs)            | 403 Forbidden  | REST<br>(Consume) | ACW16PRDP11 |
| 2020-03-29 20:46:06 | DigitalLogsSvc<br>(Digital Platform Logs)            | 403 Forbidden  | BPM               | ACW16PRDP11 |
| 2020-03-29 20:26:52 |  | Scheduler Service: Error dequeuing events (Database: ).  | Scheduler         | ACW16PRDP11 |
| 2020-03-28 20:16:17 | DigitalLogsSvc<br>(Digital Platform Logs)            | 403 Forbidden  | BPM               | ACW16PRDP11 |
| 2020-03-28 20:16:17 | DigitalLogsSvc<br>(Digital Platform Logs)            | 403 Forbidden  | REST<br>(Consume) | ACW16PRDP11 |
| 2020-03-27 23:01:13 | (System)   | Timer WeeklyUsage reached maximum number of retries (3) [Calculating next run]   |                   | ACW16PRDP11 |
| 2020-03-27 23:00:53 | (System)   | Timer WeeklyUsage error (inside action 'Timer_WeeklyUsage'). Timer duration = 0 secs:Error executing query. [retry 3 of 3 scheduled] |                   | ACW16PRDP11 |
| 2020-03-27 23:00:33 | (System)   | Timer WeeklyUsage error (inside action 'Timer_WeeklyUsage'). Timer duration = 0 secs:Error executing query. [retry 2 of 3 scheduled] |                   | ACW16PRDP11 |
| 2020-03-27 23:00:17 | (System)   | Timer WeeklyUsage error (inside action 'Timer_WeeklyUsage'). Timer duration = 0 secs:Error executing query. [retry 1 of 3 scheduled] |                   | ACW16PRDP11 |
| 2020-03-27 19:46:28 | DigitalLogsSvc<br>(Digital Platform Logs)            | 403 Forbidden  | BPM               | ACW16PRDP11 |
| 2020-03-27 19:46:28 | DigitalLogsSvc<br>(Digital Platform Logs)            | 403 Forbidden  | REST<br>(Consume) | ACW16PRDP11 |
| 2020-03-27 08:44:53 | KnowledgeQueueSorterData<br>(Knowledge Queue Sorter) | Timer BootstrapTKKnowledgeQueueMarch2020s reached maximum number of retries (3) [Calculating next run]                               |                   | ACW16PRDP11 |

# Service Center - Administration

The screenshot shows the OutSystems Service Center - Administration Environment Configuration page. The top navigation bar includes links for Factory, Monitoring, Administration (which is selected), and Analytics. Below the navigation is a secondary menu with links for Users, Roles, Environment Configuration (selected), Security, Deployment Zones, Servers, Database Catalogs, Database Connections, Email, Certificates, SEO URLs, and Licensing. A search bar and a notification icon are also present in the top right.

The main content area is titled "Environment Configuration" and displays configuration settings for the environment "OS11 Training". The settings include:

- Environment Name: OS11 Training
- Hostname: os11training.outsystems.net
- Purpose: Development
- Debug Mode: checked
- Date Format: YYYY-MM-DD
- Administration Email: (empty input field)
- Show Email on Login Screen: unchecked
- Timer Execution Attempts: 3
- Enable 2-Stage Deploy: unchecked
- Enable Mobile Apps Build Service: checked
- Use Proxy Authentication for Mobile Apps Build Service:
  - User Name: (empty input field)
  - Password: (empty input field with a password icon)
- Enable Daily Activity Reports: checked
- Enable Weekly Reports: checked

A red warning message is displayed below the Hostname field: "⚠️ By updating the hostname, your mobile applications will stop working! To fix it, they must be generated to restore the connection to the new endpoint."

The right sidebar contains the following information:

- OS11 Training**: Manage all environments in LifeTime ↗
- OutSystems Universal**: Licensed to OutSystems EAP
- Development purpose**: Debug Mode, Version 11.7.2 (Build 5749)
- Timestamp: 11:54 Mon 2020-03-30
- Recent Items**: JapanUtils Extension, MyBPSampleReactive Module, GoogleTextToSpeech Module, Google APIs Application, GoogleTextToSpeechREST Module, react patterns Application, ContinuousDelivery Module

A "Save" button is located at the bottom left of the configuration form.

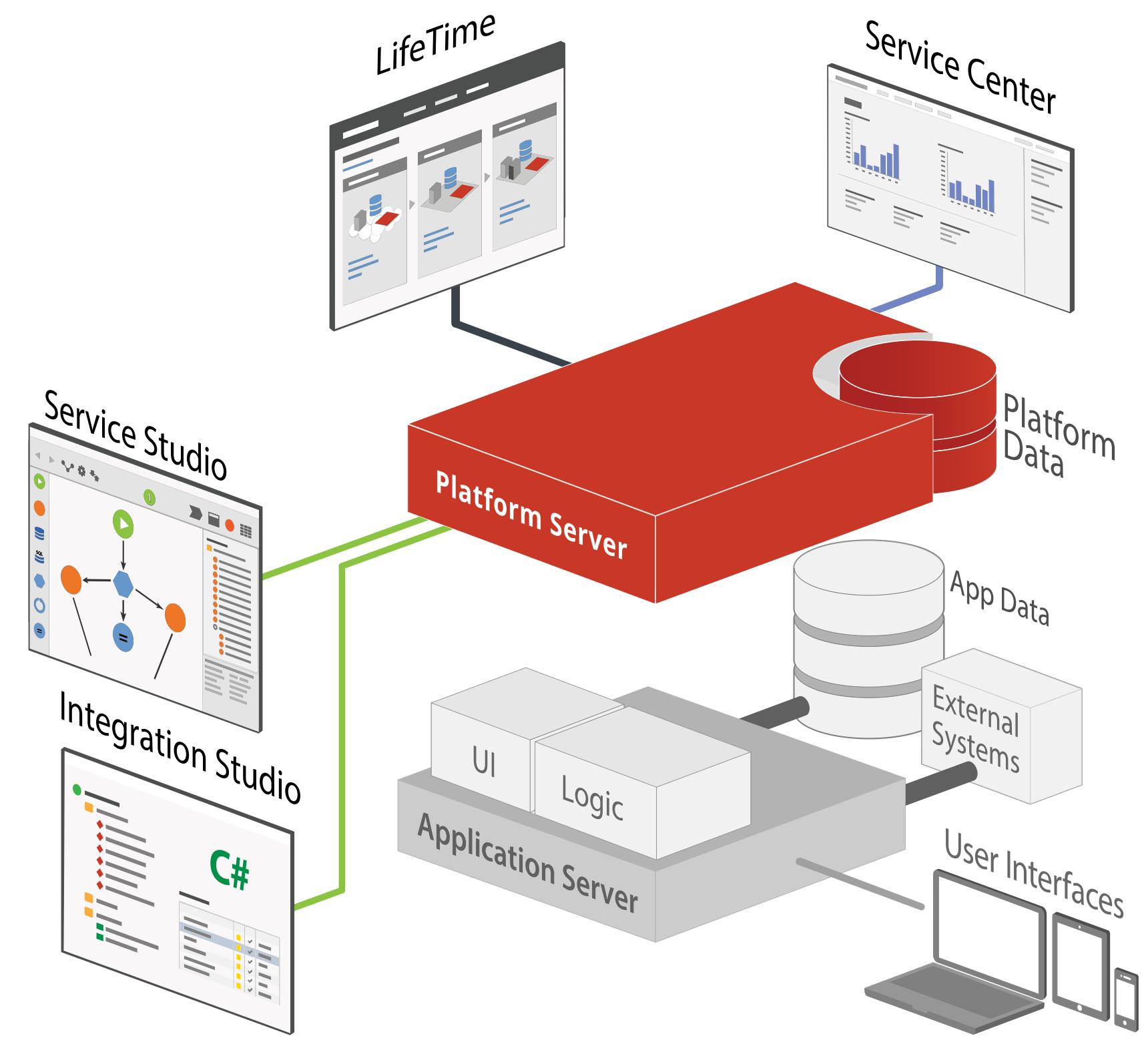
# Service Center - Analytics

The screenshot shows the OutSystems Service Center - Analytics interface. At the top, there is a navigation bar with links to Factory, Monitoring, Administration, and Analytics. Below the navigation bar, there is a search bar and some system status indicators. The main content area is titled "Reports" and shows a list of reports with columns for Id, Created, Report Type, Start Date, and End Date. Each report row includes a "Delete" button. On the right side of the screen, there is a sidebar titled "OS11 Training" with links to Manage environments in LifeTime, OutSystems Universal (Licensed to OutSystems EAP), Development purpose, and Debug Mode. It also shows the current date and time (11:54 Mon 2020-03-30). Below the training sidebar is a "Recent Items" section listing various modules and applications.

| ID  | Created     | Report Type    | Start Date  | End Date    |
|-----|-------------|----------------|-------------|-------------|
| 744 | 03-29 23:45 | Daily Activity | 03-29 00:00 | 03-29 23:45 |
| 743 | 03-28 23:45 | Daily Activity | 03-28 00:00 | 03-28 23:45 |
| 742 | 03-27 23:45 | Daily Activity | 03-27 00:00 | 03-27 23:45 |
| 740 | 03-27 23:00 | Top Errors     | 03-21 00:00 | 03-27 23:00 |
| 738 | 03-27 23:00 | Top Errors     | 03-21 00:00 | 03-27 23:00 |
| 736 | 03-27 23:00 | Top Errors     | 03-21 00:00 | 03-27 23:00 |
| 735 | 03-26 23:45 | Daily Activity | 03-26 00:00 | 03-26 23:45 |
| 734 | 03-25 23:45 | Daily Activity | 03-25 00:00 | 03-25 23:45 |
| 733 | 03-24 23:45 | Daily Activity | 03-24 00:00 | 03-24 23:45 |
| 732 | 03-23 23:45 | Daily Activity | 03-23 00:00 | 03-23 23:45 |
| 731 | 03-22 23:45 | Daily Activity | 03-22 00:00 | 03-22 23:45 |
| 730 | 03-21 23:45 | Daily Activity | 03-21 00:00 | 03-21 23:45 |
| 729 | 03-20 23:45 | Daily Activity | 03-20 00:00 | 03-20 23:45 |
| 727 | 03-20 23:00 | Top Errors     | 03-14 00:00 | 03-20 23:00 |
| 725 | 03-20 23:00 | Top Errors     | 03-14 00:00 | 03-20 23:00 |
| 723 | 03-20 23:00 | Top Errors     | 03-14 00:00 | 03-20 23:00 |

# LifeTime

- Manage applications life cycle



# LifeTime - Applications

outsystems APPLICATIONS USER MANAGEMENT INFRASTRUCTURE ANALYTICS PLUGINS ▾

## Search Applications

Deployment Plans

Search applications by name or team  Search Reset

Show All

+ Create Application

|  | Development                      | DEPLOY... | Quality                       | DEPLOY... | Production                     |
|--|----------------------------------|-----------|-------------------------------|-----------|--------------------------------|
|  Ad         | App with external DB connection  | 0.1       | Feb 7, 14:26<br>Administrator | 0.1       | Feb 10, 12:11<br>Administrator |
|  outsystems | Architecture Dashboard Enviro... | 0.1       | Feb 3, 14:13<br>Administrator |           |                                |
|  outsystems | Architecture Dashboard Shared    | 0.1       | Feb 3, 14:13<br>Administrator |           |                                |
|  ardoHTTP   |                                  | 0.1       | Feb 3, 13:34<br>Administrator |           |                                |
|  Cb         | Credit Backoffice<br>Banking     | 0.1       | Feb 14, 14:44<br>Liz Erd      |           |                                |
|  CryptoAPI  |                                  | 0.1       | Feb 3, 13:35<br>Administrator |           |                                |

# LifeTime - User Management

The screenshot shows the OutSystems User Management interface. The top navigation bar includes links for APPLICATIONS, USER MANAGEMENT (which is highlighted), INFRASTRUCTURE, ANALYTICS, and PLUGINS. Below this, a secondary navigation bar has links for USERS (which is underlined and selected), TEAMS, ROLES, AUTHENTICATION MODE, and SERVICE ACCOUNTS. The main content area is titled 'Users' and includes a 'New User' button. A search bar labeled 'Search users by name, username or role' is present. The table below lists five active users:

| Name                               | Default Role     | Application Roles     | Teams             | Last Login       |
|------------------------------------|------------------|-----------------------|-------------------|------------------|
| Addie Minstra (addieminstra)       | Developer Access | Developer Change Apps | Core Applications |                  |
| Administrator (admin)              | Administrator    |                       |                   | 11:55 (just now) |
| Aida Bugg (aidabugg)               | Developer Access | External Developer    |                   |                  |
| Bess Twishes (besstwishes)         | Developer Access | Junior Developer      | Banking           |                  |
| Constance Noring (constancenoring) | Developer Access | Junior Developer      | Intranet          |                  |

# LifeTime - Infrastructure

outsystems

APPLICATIONS    USER MANAGEMENT    INFRASTRUCTURE    ANALYTICS    PLUGINS ▾

## Infrastructure

Register an Existing Environment    Blocked Addresses    View Audit Logs    Early Access Features

**Development**

Microsoft SQL Server  
Windows Server  
training-dev.outsystems.net

[Environment Health](#)  
[Configuration](#)  
[Environment Security](#)  
[Edit Environment](#)

**Quality**

Microsoft SQL Server  
Windows Server  
training-qa.outsystems.net

[Environment Health](#)  
[Configuration](#)  
[Environment Security](#)  
[Edit Environment](#)

**Production**

Microsoft SQL Server  
Windows Server  
training-prd.outsystems.net

[Environment Health](#)  
[Configuration](#)  
[Environment Security](#)  
[Edit Environment](#)

↔    ↔    ↔

# LifeTime - Analytics

outsystems APPLICATIONS USER MANAGEMENT INFRASTRUCTURE ANALYTICS PLUGINS ▾ Miguel Domingues ▾ ?

PRD - Federated ▾ Configuration More Reports

Last Week Mar 5, 2020 - Mar 12, 2020

Filter by Response Time

End User Experience = Client + Network + Server

| NAME                          | HITS TOTAL | APDEX SCORE |
|-------------------------------|------------|-------------|
| Package Notifier              | 35K        | 99%         |
| Radar                         | 1577       | 93%         |
| Demo Center                   | 1013       | 93%         |
| Demo Portal                   | 835        | 87%         |
| Password Portal               | 334        | 76%         |
| Infrastructure Planner        | 216        | 95%         |
| Success Assurance             | 124        | 86%         |
| SA Activity                   | 55         | 54% ●       |
| Digital Authentication Core   | 36         | 67% ●       |
| SA Dashboards – traditional   | 36         | 32% ●       |
| Demo Core                     | 20         | 88%         |
| 500 Apps                      | 14         | 75%         |
| Customer Satisfaction         | 13         | 77%         |
| Community Analytics           | 12         | 71%         |
| Method                        | 8          | 94%         |
| Training Intelligence         | 5          | 90%         |
| Accelerator One Click Install | -          | -           |
| AdoptionMonitor               | -          | -           |
| Amazon S3 Connector           | -          | -           |
| Amazon SNS Connector          | -          | -           |
| Analytics Extensions          | -          | -           |
| API Access Control            | -          | -           |

APDEX - Application Performance Index

APDEX SCORE: 97% HITS TOTAL: 39K HITS/DAY: 5623

Response Time Distribution

FAST: 95% (38K) FAIR: 4% (1584) SLOW: 0% (139)

Response Time Breakdown

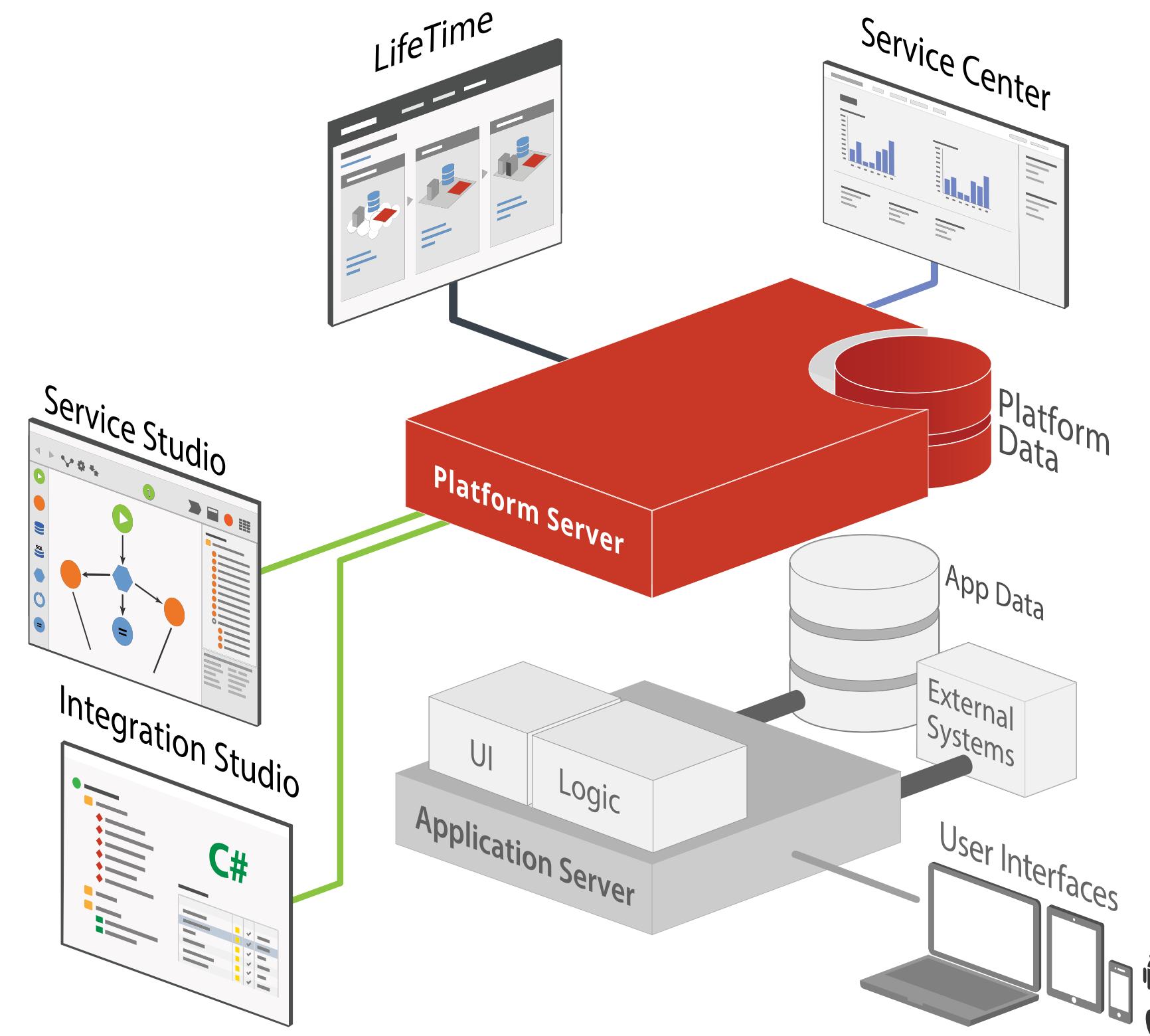
CLIENT: 12% NETWORK: 4% SERVER: 84%

Screens Getting Slower

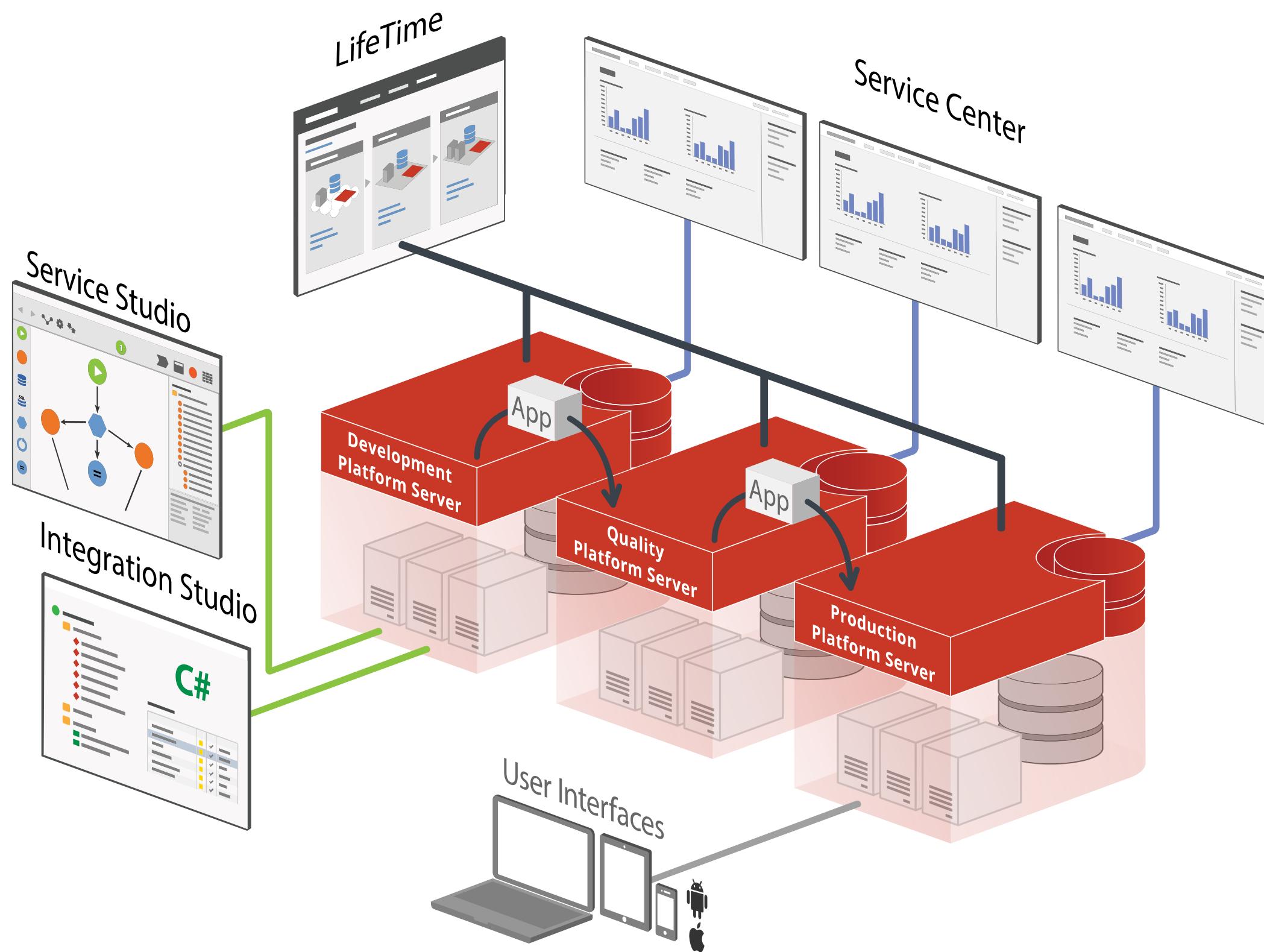
APDEX SCORE: 98% APDEX TREND: -1% ▼

DashboardFrontDesk...

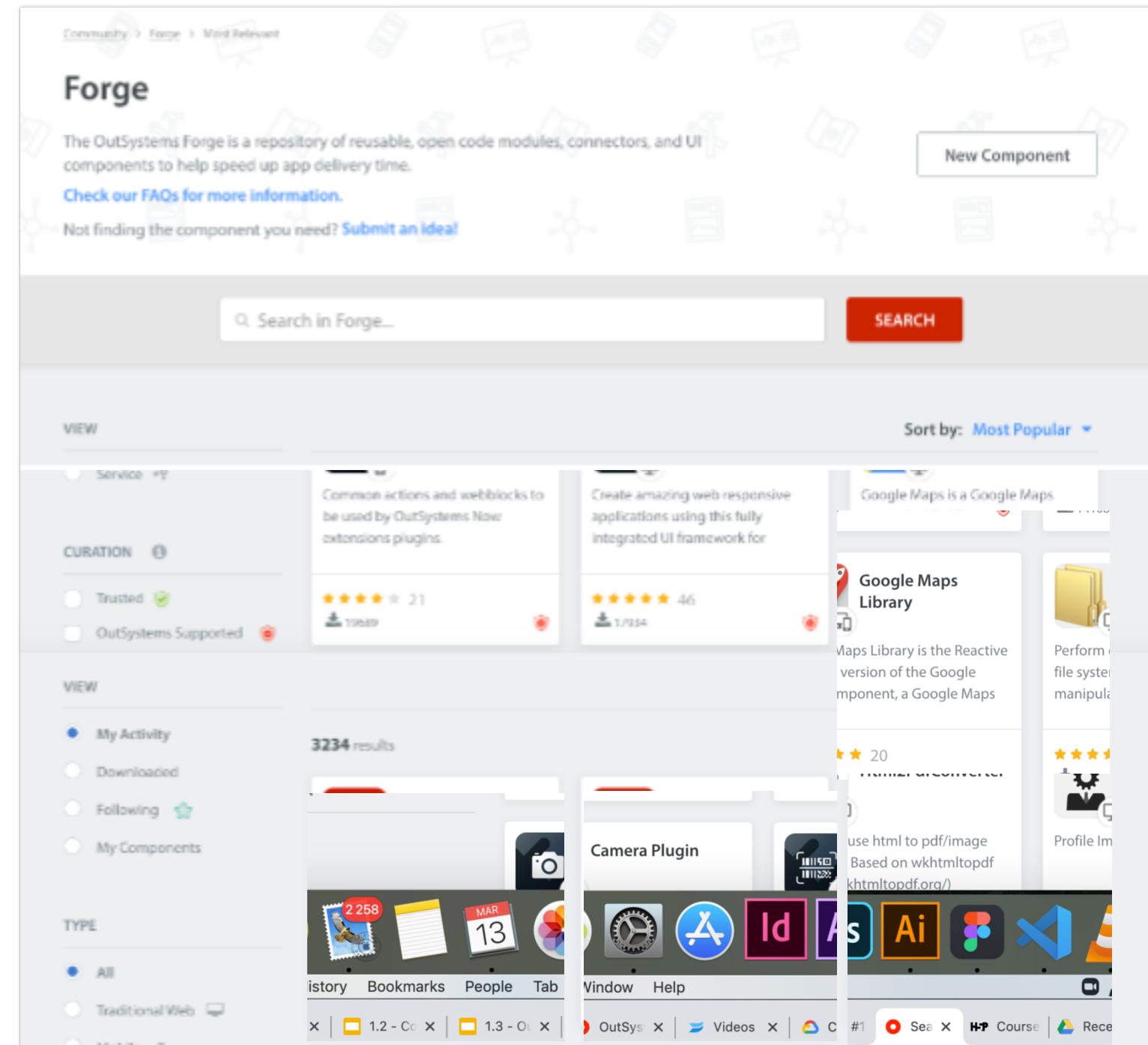
# OutSystems Components



# Typical Enterprise Environments



# OutSystems Forge



<https://www.outsystems.com/forge>

# Community Forums

The screenshot shows the OutSystems Community Forums homepage. At the top, there's a search bar and a red "NEW POST" button. Below the search bar are four navigation tabs: RECENT ACTIVITY (selected), MOST POPULAR, UNANSWERED, and MY ACTIVITY. The main content area displays several forum posts:

- [OutSystems UI] Outsystems UI Version 2.3.1 has a problem... (20 replies)
- Save JSON String as Binary (5 replies)
- Data Storage Issues (12 replies)
- Popover Menu Widget - Contents Not All Visible (4 replies)

Below the posts, there's a "Next Events" sidebar listing training sessions:

- 16 Mar Developing OutSystems... @ Lisbon, Portugal
- 23 Mar Advanced Developer ... @ Remote, Singapore
- 23 Mar Developing OutSystems... @ Lisbon, Portugal
- 23 Mar Developing OutSystems... @ Leerdam, Netherlands
- NIKHLI Gaur 3rd Nuno Miguel Verdas... 4th

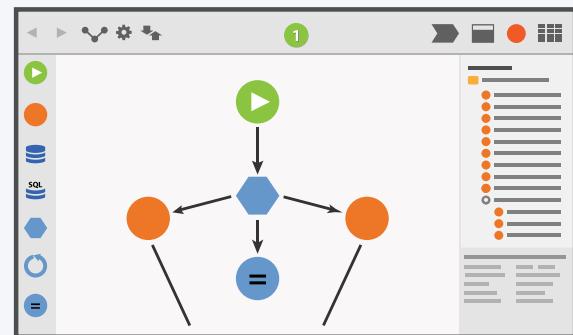
The browser's address bar shows "systems.com/forums/" and the status bar indicates "100%".

<https://www.outsystems.com/forums>

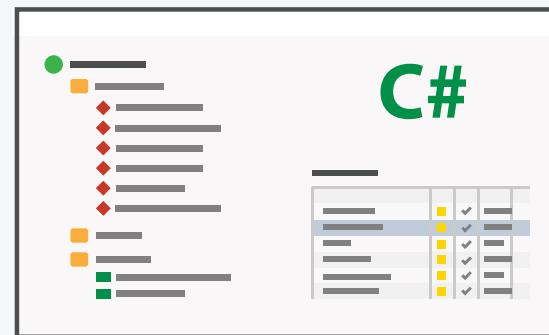
# Summary

## Development

### Service Studio

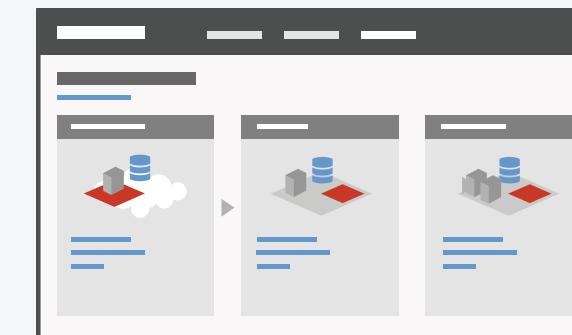


### Integration Studio



## Admin & Operations

### LifeTime

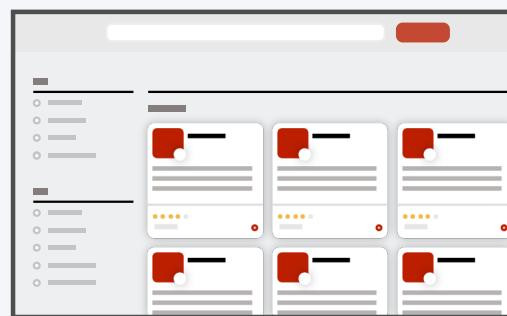


### Service Center



## Community

### Forge



### Forums

