Liferay®

Learning Paths - Level 01

Deploying Liferay

Session Breakdown

05 min ─── 01 Introduction + Session Scope

05 min ─── 02 Liferay Deployment Options

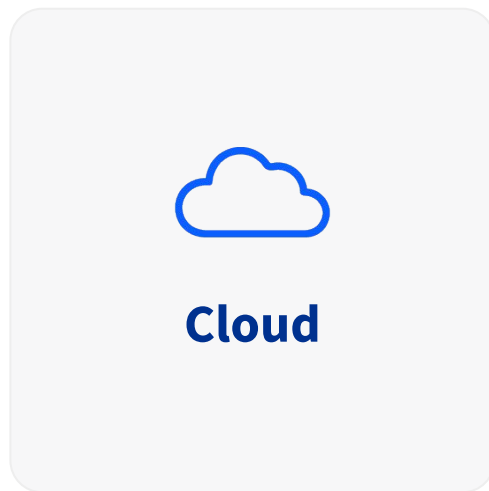05 min ─── 03 Liferay SaaS Provisioning

05 min ─── 04 Working with PaaS

Part 01

Introduction and Session Scope

Introduction to Deployment

- The term "deployment" is a very general concept that quite simply means to make the solution operational in a target environment

- In reality it is a laundry list of considerations such as:

    - Application uptime SLA

    - Infrastructure and application management

    - Monitoring and alerting

    - Hosting and security

    - Migrating code and security updates, and many more

- Above all, Clarity needs peace of mind that they can rely on the platform they choose

Cloud

Liferay

Session Scope

- Covers the available deployment options for Liferay

- Focus on the tasks that Clarity may be required to manage

- Focus on the overall IT resource availability and how this may affect their ability to fully manage the infrastructure

- Consider where the full tech stack running Liferay should reside and any limitations that would affect the decision

- Determine which deployment option best fits Clarity's overall requirements

- Review how Deployments work with PaaS (only)

Liferay

Clarity's Critical Success Factors

1. Non-technical participation

✓ 2. Simplified maintenance (and evolution)

✓ 3. Future proofed and flexible

4. Increase engagement and user experience through personalization

✓ 5. Risk mitigation with better governance

✓ 6. Lower investment / total cost of ownership

Part 02

Liferay Deployment Options

Overview

Liferay
Self-Hosted

- You have complete ownership
- Hardware and infrastructure
- Architecture + Platform-related software and configuration
- Preparation, management, and deployment of updates, patches, and security hotfixes for the entire stack
- Solution development

Liferay
PaaS

- Web Server
- Backups
- Search Engine
- Database
- DevOps CI/CD Pipeline

Liferay
SaaS

- Product support
- Application Uptime SLA
- Platform Software
- Cloud Architecture and Infrastructure
- Upgrades and Updates
- Patches and Security hotfixes

Liferay®

Liferay Deployment Options

Offering Comparison

Feature	Liferay SaaS	Liferay PaaS	Liferay Self-Hosted
Liferay DXP	✅	✅	✅
Customization via Client Extensions	✅	✅	✅
Customization via OSGi	❌	✅	✅
Cloud Infrastructure	✅	✅	On-Premise or Customer's Cloud
SDLC / DevOps Management Tools	❌	✅	❌
Tenancy	✅ Multi-tenant	✅ Single Tenant	✅ Single Tenant
Infrastructure Management	✅	✅	❌
Liferay DXP Upgrades & Patches	✅	❌	❌
Platform Managed Services	✅	Partner or Customer	Partner or Customer

Part 03

Liferay SaaS Provisioning

Provisioning

- Process begins with Closed Won Opportunity

- Provisioning Form Shared with Customer/Partner

    a. Project ID

    b. Primary Region

    c. Admin Contact(s)

    d. Support Contact(s)

    e. Incident Management Contact(s)

- Completion of form kicks of provisioning of systems

Liferay Experience Cloud Provisioning Information

Please fill ou...	Project Admin	Support	Incident Man...
1	2	3	4

Please fill out the information below.

* Indicates Required Fields

Organization Name *

Clarity Vision Solutions

Please enter your organization name.

Project ID *

clarityvision

This will be the name of your Liferay Experience Cloud project, visible to team members when they log in to the Experience Cloud console. Select a meaningful name for easy project identification (e.g., choose "nycbankportal" instead of "portal"). Use lowercase letters or numbers only. Ensure that the Project ID does not exceed 16 characters.
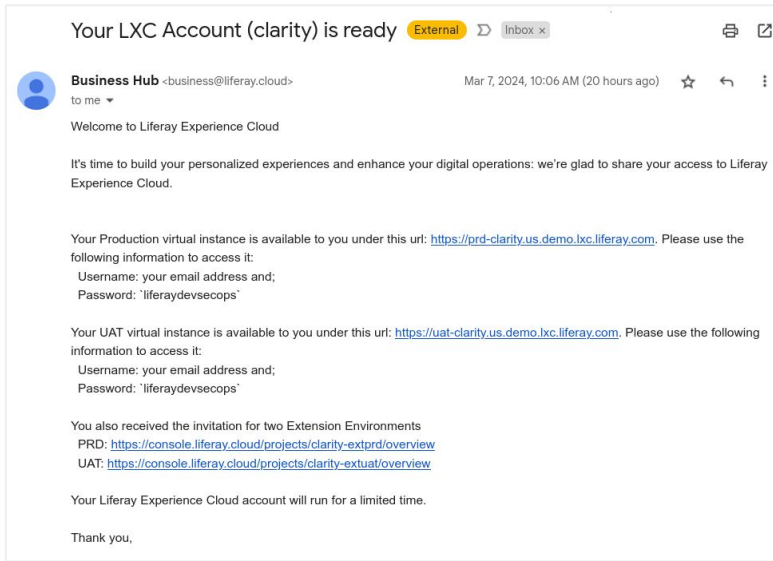
Primary Region *

North America (US)

This is where your Liferay Experience Cloud project is deployed. Please contact your Account Manager if you are not sure which region was selected for the project.
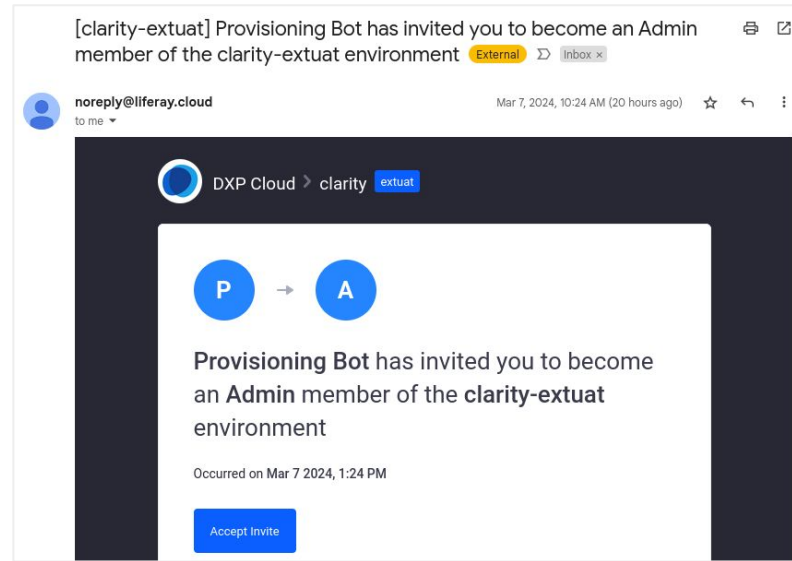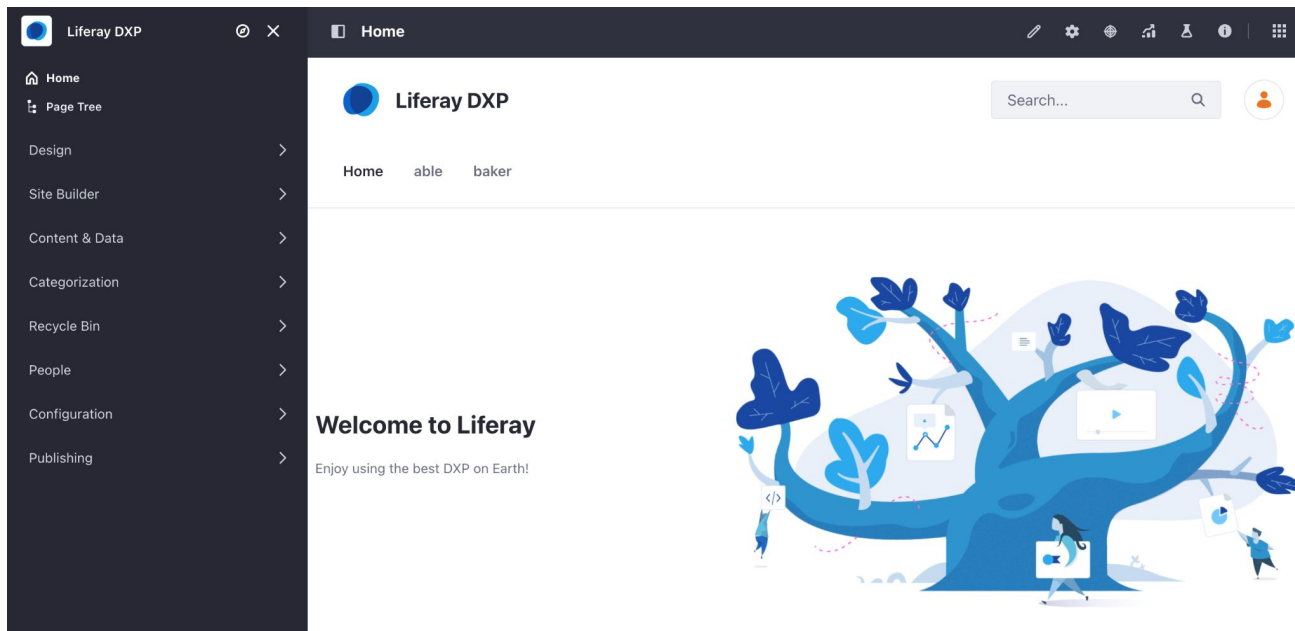
Next

Liferay

Invitations

- Production (PRD)
- Test (UAT)

- Production Ext (PRD)
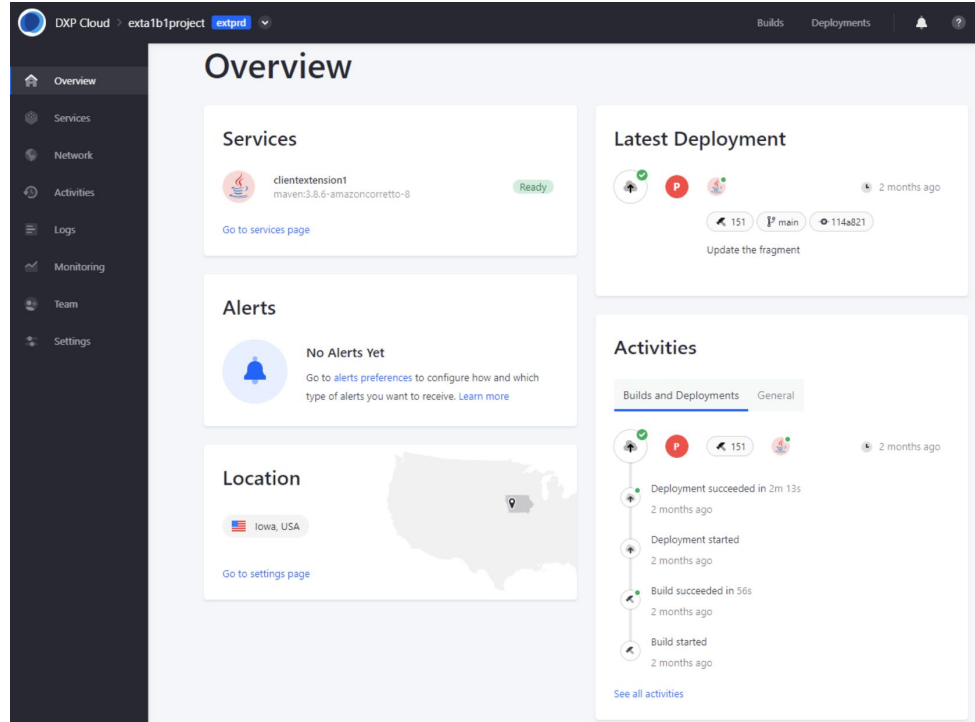- Test Ext (UAT)

Start Building with Liferay DXP!

Cloud Administration Console

- Deploy client extensions
- Monitor client extensions

Cloud Console Options

| Metrics	Information
Overview	A dashboard view of your services, latest deployments, activities, and alert.
Services	Any custom services (i.e., client extensions) that are deployed
Network	Relevant specifications of your extensions
Activities	A list of any extension or user activities
Logs	Area to access logs for your extensions
Monitoring	CPU and memory metrics of your extensions
Team	List of current members who can access the console
Settings	Relevant extension environment information

Part 04

Working with PaaS

Web Based Administrative Console

- Clean and simple user interface

- Access and manage the Liferay ecosystem and deployments

- Invite other team members

- Web functions also available via the command line for scripting automation
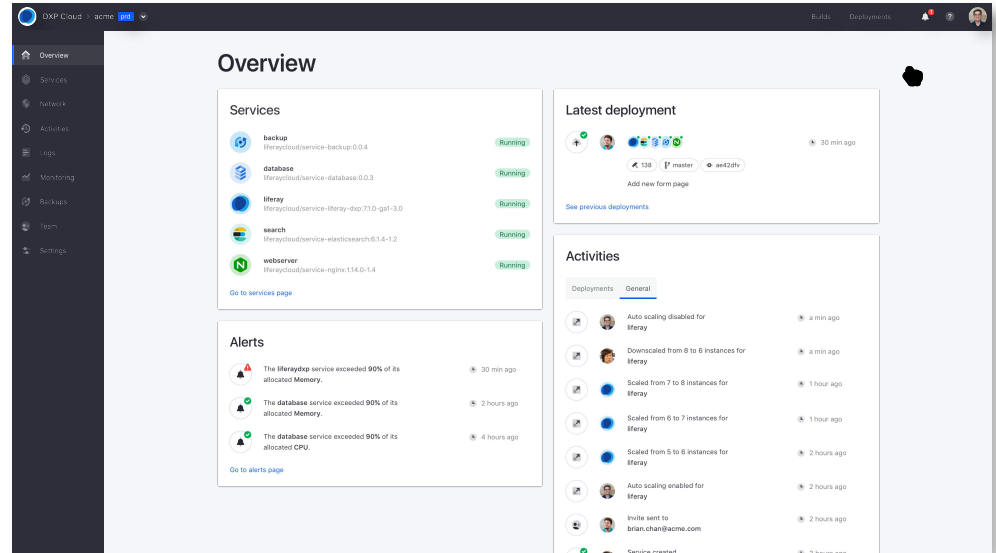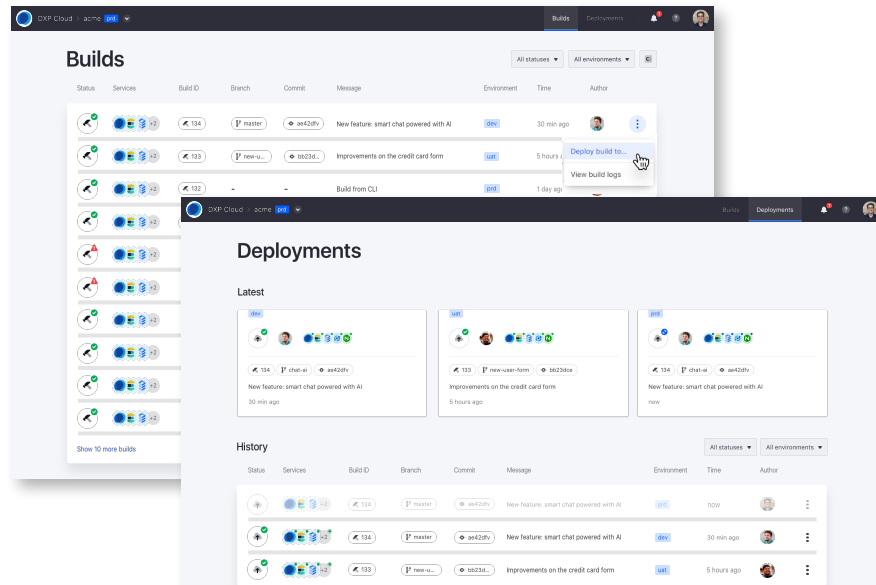
Cloud, Simplified

- Liferay PaaS built on top of Google Cloud Platform

- Complexity handled behind-the-scenes for you

- Easily switch between Liferay environments

- Trigger backups and restores with a few clicks

- Toggle on/off auto-scaling
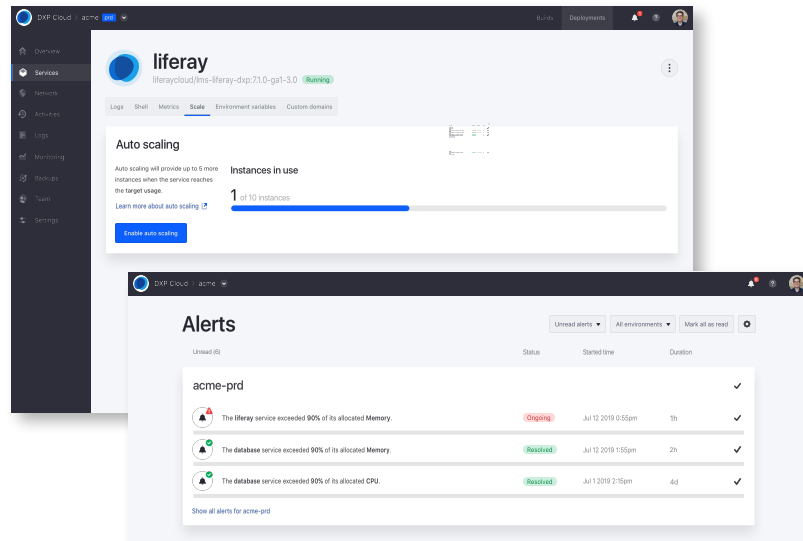
Deploy to any Environment

- Manage your pipeline with Jenkins

- Automatically trigger builds when code is pushed to certain branches

- View build status in the *Builds* section of the Cloud Console

- Choose build => Choose environment => Deploy!

- Zero down time with blue-green deployments