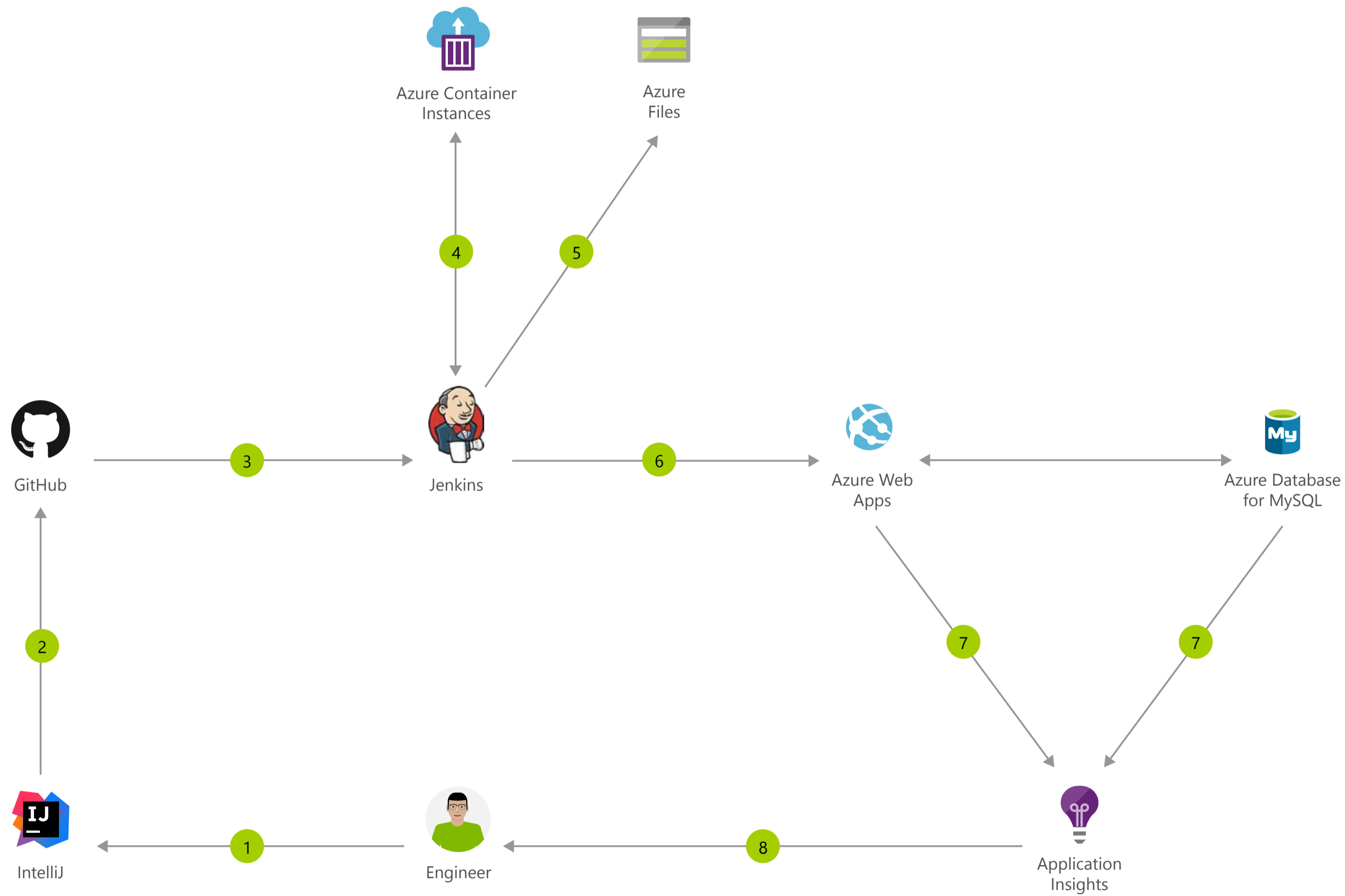


Java CI/CD using Jenkins and Azure Web Apps



Architecture overview

Azure Web Apps is a fast and simple way to create web apps using Java, Node.js, PHP, or ASP.NET. It also offers support for custom language runtimes using Docker. Deliver value faster to your customers with a continuous integration and continuous deployment (CI/CD) pipeline that pushes each of your changes automatically to Azure App Service.

- 1 Change application source code in an IDE.
- 2 Commit code to GitHub.
- 3 Continuous integration trigger to Jenkins.
- 4 Jenkins triggers a build job using Azure Container Instances for a dynamic build agent.
- 5 Jenkins builds and stores artifacts in Azure Files.
- 6 Jenkins deploys Java application to Web Apps backed by Azure Database for MySQL.
- 7 Azure Application Insights provides application performance.
- 8 Monitor application and make improvements.

Azure products used in this solution

- Application Insights
- Web Apps
- Database for MySQL
- Container Instances
- Azure Files