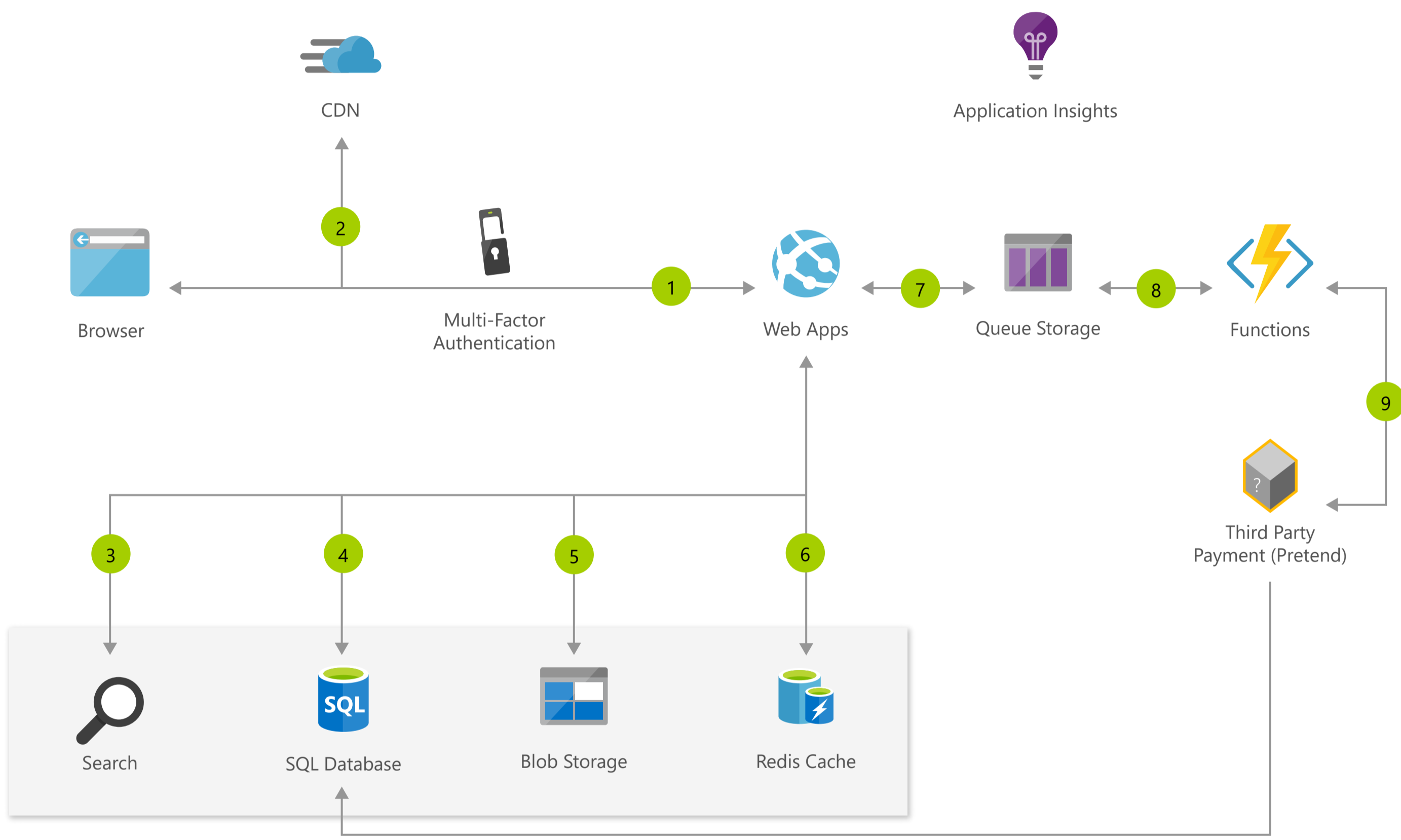


Architect scalable e-commerce web app








Architecture overview

The e-commerce website includes simple order processing workflows with the help of Azure services. Using Azure Functions and Web Apps, developers can focus on building personalized experiences and let Azure take care of the infrastructure.

- 1 User accesses the web app in browser and signs in.
- 2 Browser pulls static resources such as images from Azure Content Delivery Network.
- 3 User searches for products and queries SQL database.
- 4 Web site pulls product catalog from database.
- 5 Web app pulls product images from Blob Storage.
- 6 Page output is cached in Azure Redis Cache for better performance.
- 7 User submits order and order is placed in the queue.
- 8 Azure Functions processes order payment.
- 9 Azure Functions makes payment to third party and records payment in SQL database.

Products

 Web App	 Multi-Factor Authentication
 Functions	 Queue Storage
 Blob Storage	 Redis Cache
 SQL Database	 CDN
 Application Insights	