

Работа 1

Вариант 8

Как добиться максимальной доступности данных и приложений в облаке?

1. **Redundancy:** Using multiple instances of the application data across different zones or regions can help cover up if one instance is lost.
2. **Server Balance:** Implementing a distributive model to distribute load across your servers could help speed up operations
3. **Auto-Scaling:** Scaling resources automatically to ensure you have enough capacity during peak hours
4. **Constant Backups:** The need to constantly update your data to ensure quick recovery in case of losses.
5. **Fail Switches:** Implement fail switches for data recovery in case of hacks or crash of servers.
6. **Trusted Cloud Providers:** Choose verified and trusted providers to ensure security and easy recovery in events of an outage.

Работа 2

Вариант 8

Ваша команда разрабатывает новый Нетфликс. Какие сервисы вы будете использовать?

1. **Video Hosting and Delivery:** AWS CloudFront or Akamai are great Content Delivery Network (CDN) for delivering high quality videos.
2. **Storage:** Amazon S3 Cloud would be the best choice for storing data securely.
3. **User Management and Authentication:** Firebase or Auth0 would be required for user login, sign-up and ensuring secure access to the application.

4. **Database Services:** SQL and NoSQL services would be needed. Amazon Relational (RDS) for structured data like user profiles and Amazon DynamoDB for unstructured data like user history.

5. **Payment Processing:** We could use Paypal or Stripe but with both banned in Russia we would be using Chinese Unionpay for it's reach to a larger audience. MIR could also be considered for Russian users.

6. **Frontend Development:** React would be more suitable for an interactive and responsive user interface.

7. **Mobile App Development:** React Native would be considered for creating a cross platform application with great responsiveness for the best user experience.