

Distributed Systems

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ENVIRONMENT GUARD

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# Introduction

Water/air pollution are getting worse over time in the 21st century. As a result, this application was created as customers demand for information on pollution levels increased.

# Service 1: Air Pollution (AP)

## getAP

### Unary RPC

RPC method to get air pollution level when client send the location

### Unary RPC

RPC method to get the location when client send the air pollution level

### Server Streaming RPC

RPC method to get the location and air pollution level when client send the air pollution level of the month

# Service 2: Water Pollution (WP)

## getWP

### Unary RPC

RPC method to get water pollution level when client send the location

### Unary RPC

RPC method to get the location when client send the water pollution level

### Server Streaming RPC

RPC method to get the location and water pollution level when client send the water pollution of the month

# Service 3: Environmental Pollution (EP)

## getEP

### Client Streaming RPC

RPC method for get Grade when Client send environmental pollution level

### Bidirectional RPC

RPC method for get Grade when client send the location