

# CDS Intelligence Platform - AI Assistant Demo

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## Hackathon Project 2026

*AI Agent for Configuration Deployment Service Intelligence*

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### Quick Start

#### 1. Open the demo:

- Simply open `index.html` in your web browser
- Or use VS Code Live Server for best experience

#### 2. Try the demo:

- Choose between Mailbox Intelligence or Documentation Intelligence
  - Explore the features of each mode
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### Project Overview

This prototype demonstrates a dual-mode AI-powered platform for the Configuration Deployment Service (CDS), providing both **mailbox monitoring/analysis** and **interactive documentation assistance**.

### Two Operational Modes

#### 1. Mailbox Intelligence (Accessible only by CDS Team)

Monitors **configuration.deployment@simcorp.com** and provides:

- **Email Categorization:** Automatic classification (Urgent, Deployment, Question, Feedback)
- **Log Analysis:** Parses deployment logs, identifies errors, and detects patterns
- **Error Summarization:** AI-powered summaries of failures with root cause analysis
- **Pattern Learning:** Identifies recurring issues and suggests preventive measures
- **Auto-Draft Responses:** Generates response templates based on email category
- **FAQ Gap Detection:** Flags missing documentation based on recurring questions

#### 2. Documentation Intelligence (Accessible by CDS Team|Stakeholders|Configurators)

Interactive conversational assistant for:

- Natural language queries about CDS deployment procedures
  - Step-by-step guidance with DevOps Wiki source citations
  - Best practices and troubleshooting advice
  - Quick access to deployment workflows and approval processes
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### Key Features

## Mailbox Intelligence Dashboard

- **Real-time Metrics:** Email volume, response times, automation rates
- **Smart Categorization:** Color-coded email priorities
- **Log Viewer:** Parsed deployment logs with pattern detection
- **AI Insights:** Proactive recommendations based on trend analysis
- **Draft Responses:** AI-generated response templates

## Documentation Assistant

- **Conversational Interface:** Ask questions in natural language
- **Source Citations:** Every answer links back to DevOps Wiki
- **Quick Suggestions:** Pre-populated common questions
- **Markdown Formatting:** Clean, structured responses

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## Project Structure

```
2026-Hackathon/  
├── index.html      # Dual-mode interface with navigation  
├── styles.css      # Complete styling for both modes  
├── script.js       # Logic for mailbox + documentation  
└── README.md      # This file
```





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## Design Highlights

### User Flow

1. **Landing page** with two prominent mode selection cards
2. **Mailbox Mode:** Tabbed navigation (Dashboard, Emails, Logs, Insights)
3. **Documentation Mode:** Chat interface with quick-action buttons
4. **Back button:** Return to mode selection at any time

### Color Coding

-  **Red:** Urgent emails/errors
-  **Blue:** Deployment notifications
-  **Yellow:** Questions/warnings
-  **Green:** Feedback/success

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## Mailbox Intelligence Features (Demo Data)

### Dashboard Tab

- Email volume and performance metrics
- Category breakdown with percentages

- Automation statistics

## Email Inbox Tab

- 5 sample categorized emails with AI suggestions
- From: clients, partners, deployment systems
- Subjects: deployment failures, approval questions, feature requests

## Log Analysis Tab

- 4 sample deployment logs (error, warning, success)
- Pattern detection (recurring vs. new issues)
- Affected client identification
- AI-powered fix suggestions

## Insights Tab

- **Recurring Pattern Detection:** 23% of failures from schema mismatches
- **FAQ Gap Identification:** 15 approval timeline questions → missing FAQ
- **Response Time Optimization:** 68% template-eligible → faster responses
- **Client Success Patterns:** AXAFR 98% success rate analysis

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## Future Enhancements

### Phase 1: Real Integration

- Connect to actual configuration.deployment@simcorp.com mailbox
- Azure OpenAI GPT-4 for intelligent responses
- Vector database for DevOps Wiki content indexing

### Phase 2: Advanced Features

- Real-time email classification via Microsoft Graph API
- Automated log parsing from Azure Monitor
- Client portal with embedded chatbot
- Multi-language support

### Phase 3: Learning & Automation

- Continuous learning from resolved issues
- Auto-response for routine questions
- Predictive failure analysis
- Integration with deployment pipelines

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## Contact

**Project Team:** Configuration Deployment Service **Hackathon:** SimCorp 2026

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## Acknowledgments

- Microsoft Agent Framework for architecture inspiration
- SimCorp CDS team for domain knowledge

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**Powered by Microsoft Agent Framework • Monitoring: [configuration.deployment@simcorp.com](mailto:configuration.deployment@simcorp.com)**