

CDS Intelligence Platform - AI Assistant Demo

Hackathon Project 2026

AI Agent for Configuration Deployment Service Intelligence

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

📁 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
```

⌚ 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

🌐 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

⌚ 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

📞 Contact

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

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Acknowledgments

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Powered by Microsoft Agent Framework • Monitoring: configuration.deployment@simcorp.com