

V-Mart AI Agent - Release Downloads

Official installation packages for Windows, macOS, and Linux

■ Available Versions

Version 2.0 - Separated Architecture (LATEST - Recommended)

Release Date: November 9, 2025
Architecture: Client-Server (Chatbot Agent + Backend Server)

| Component | Description | Download |
|--------------------|--|--|
| **Chatbot Agent** | User-facing interface for individual systems | [v2.0-chatbot-agent](#v20---chatbot-agent) |
| **Backend Server** | Central data/API management hub | [v2.0-backend-server](#v20---backend-server) |

- **New Features:**
- Separated architecture for better scalability
 - Network-based integration (LAN/WAN support)
 - API key authentication
 - Centralized database management
 - AI-powered insights engine
 - Role-based access control (RBAC)
 - Multiple database connectors (ClickHouse, PostgreSQL, Oracle, SQL Server)
 - Data source connectors (Tableau, Google Drive, File System)

Version 1.0 - Monolithic (Legacy)

Release Date: October 2025

Architecture: All-in-one chatbot application

| Platform | Download |
|-------------------|---|
| **All Platforms** | [v1.0-monolithic](#v10---monolithic-legacy) |

Note: Version 1.0 is maintained for backward compatibility. New installations should use Version 2.0.

■ V2.0 - Chatbot Agent

User-facing chatbot interface for individual systems

Features

- ✓ Google Gemini AI integration
- ✓ Google OAuth authentication
- ✓ Local file connector (Excel, CSV, PowerPoint, PDF)
- ✓ Backend client SDK for remote data access
- ✓ Web-based chat interface
- ✓ Session management
- ✓ Auto-start on system boot
- ✓ Crash recovery and restart

System Requirements

- **OS:** Windows 10/11, macOS 10.15+, Ubuntu 20.04+, or other Linux distributions
- **Python:** 3.8 or higher
- **RAM:** 4GB minimum, 8GB recommended
- **Disk:** 500MB free space
- **Network:** Internet connection for Gemini AI and Google OAuth
- **Backend:** Optional - connect to Backend Server for database features

Download Links

Windows (10/11)

```
releases/v2.0-separated/chatbot-agent/windows/ ■■■ install-chatbot.bat  
(Automated installer) ■■■ install-chatbot.ps1 (PowerShell installer) ■■■  
requirements.txt (Python dependencies) ■■■ README.md (Installation guide)
```

Quick Install: Download and run `install-chatbot.bat`

macOS (10.15+)

```
releases/v2.0-separated/chatbot-agent/macos/ ■■■ install-chatbot.sh  
(Automated installer) ■■■ requirements.txt (Python dependencies) ■■■  
README.md (Installation guide)
```

Quick Install:

```
chmod +x install-chatbot.sh && ./install-chatbot.sh
```

Linux (Ubuntu/Debian/Fedora/CentOS)

```
releases/v2.0-separated/chatbot-agent/linux/ ■■■ install-chatbot.sh  
(Automated installer) ■■■ install-chatbot-systemd.sh (Systemd service  
installer) ■■■ requirements.txt (Python dependencies) ■■■ README.md  
(Installation guide)
```

Quick Install:

```
chmod +x install-chatbot.sh && ./install-chatbot.sh
```

Installation Steps

1. **Download** installer for your platform
2. **Run** the installer script
3. **Configure** Google OAuth credentials (follow prompts)
4. **Configure** backend URL (if using Backend Server)
5. **Access** chatbot at `http://localhost:8000`

Documentation Included

- ■ **Setup Guide** - Step-by-step installation
- ■ **User Guide** - How to use the chatbot

- ■ **Service 24x7 Setup** - Auto-start and crash recovery
 - ■ **Google OAuth Setup** - Authentication configuration
 - ■ **Chatbot Interface Guide** - UI/UX walkthrough
 - ■ **Data Reading Feature** - Local file analysis
 - ■ **Deployment Guide** - LAN/WAN deployment
 - ■ **Architecture Diagrams** - System overview
-

■■ V2.0 - Backend Server

Central data and API management hub for server deployment

Features

- ✓ REST API with 10+ endpoints
- ✓ Database connectors: ClickHouse, PostgreSQL, Oracle, SQL Server
- ✓ Data source connectors: Tableau, Google Drive, File System
- ✓ AI Insights Engine (Gemini-powered)
- ✓ Role-Based Access Control (RBAC) - 23 permissions
- ✓ Configuration management
- ✓ API key authentication
- ✓ Rate limiting (100 requests/hour)
- ✓ Connection pooling
- ✓ Health monitoring

System Requirements

- **OS:** Windows Server 2016+, macOS Server, Ubuntu Server 20.04+, or other Linux distributions
- **Python:** 3.8 or higher
- **RAM:** 8GB minimum, 16GB recommended
- **Disk:** 2GB free space
- **Network:** Static IP or domain name (for LAN/WAN access)
- **Databases:** Access to ClickHouse, PostgreSQL, Oracle, or SQL Server (optional)

Download Links

Windows Server (2016+)

```
releases/v2.0-separated/backend-server/windows/ ■■■■ install-backend.bat  
(Automated installer) ■■■■ install-backend.ps1 (PowerShell installer) ■■■■  
requirements.txt (Python dependencies) ■■■■ README.md (Installation guide)
```

Quick Install: Download and run `install-backend.bat`

macOS Server

```
releases/v2.0-separated/backend-server/macos/ ■■■■ install-backend.sh  
(Automated installer) ■■■■ requirements.txt (Python dependencies) ■■■■  
README.md (Installation guide)
```

Quick Install:

```
chmod +x install-backend.sh && ./install-backend.sh
```

Linux Server (Ubuntu/Debian/Fedora/CentOS)

```
releases/v2.0-separated/backend-server/linux/ ■■■■ install-backend.sh  
(Automated installer) ■■■■ install-backend-systemd.sh (Systemd service  
installer) ■■■■ requirements.txt (Python dependencies) ■■■■ README.md  
(Installation guide)
```

Quick Install:

```
chmod +x install-backend.sh && ./install-backend.sh
```

Installation Steps

1. **Download** installer for your platform
2. **Run** the installer script
3. **Configure** database connections (optional)
4. **Generate** API keys for chatbot agents
5. **Start** backend server on port 5000
6. **Configure** firewall rules (allow port 5000)

API Endpoints

- `GET /api/health` - Health check
- `GET /api/connections` - List database connections
- `POST /api/connections` - Create new connection
- `POST /api/query` - Execute database query
- `GET /api/schema/<name>` - Get database schema
- `POST /api/ai/analyze` - AI data analysis
- `POST /api/ai/recommend` - AI recommendations
- `GET /api/users` - List RBAC users
- `POST /api/users` - Create new user
- `GET /api/stats` - System statistics

Documentation Included

- ■ **Setup Guide** - Backend server installation
- ■ **Deployment Guide** - LAN/WAN deployment strategies
- ■ **Service 24x7 Setup** - Auto-start and monitoring
- ■ **Architecture Separation** - Client-server architecture
- ■ **Architecture Diagrams** - System flow charts
- ■ **API Reference** - Complete API documentation
- ■ **Backend Manager Guide** - Database and connector management
- ■ **RBAC Guide** - Permission and role management

■ V1.0 - Monolithic (Legacy)

All-in-one chatbot application - maintained for backward compatibility

Features

- ✓ Google Gemini AI
- ✓ Google OAuth
- ✓ Local file reading
- ✓ Web interface

- ✓ All features in single application

Download Links

All Platforms

```
releases/v1.0-monolithic/ ■■■■ windows/ ■ ■■■■ INSTALL.bat ■ ■■■■ install.ps1
■■■■ macos/ ■ ■■■■ install.sh ■■■■ linux/ ■ ■■■■ install.sh ■■■■ README.md
```

Migration to V2.0

If you're currently using V1.0 and want to migrate to V2.0:

1. **Backup** your current installation
2. **Export** your configuration (`.env` file)
3. **Install** V2.0 Chatbot Agent
4. **Optionally install** V2.0 Backend Server (for database features)
5. **Import** your configuration
6. **Test** the new installation
7. **Uninstall** V1.0 (optional)

See `MIGRATION_GUIDE.md` for detailed instructions.

■ Comparison: V1.0 vs V2.0

| Feature | V1.0 Monolithic | V2.0 Chatbot Agent | V2.0 Backend Server |
|-------------------------|-----------------|------------------------|---------------------|
| **Architecture** | All-in-one | User interface | Central data hub |
| **Deployment** | Single system | Multiple systems | Central server |
| **Scalability** | Limited | High | Very High |
| **Network** | Local only | LAN/WAN | LAN/WAN |
| **Database Connectors** | None | Via backend | 7 connectors |
| **AI Insights** | Basic | Advanced (via backend) | Built-in engine |

| | | | |
|---------------------------|-------------------------|--------------------------|-------------------------|
| **RBAC** | No | Via backend | 23 permissions |
| **API Access** | No | REST client | REST server |
| **File Reading** | Yes | Yes | No |
| **Google OAuth** | Yes | Yes | No |
| **Auto-start** | Yes | Yes | Yes |
| **Crash Recovery** | Yes | Yes | Yes |
| **Best For** | Single user, simple use | Multiple users, scalable | Enterprise, centralized |

■ Installation Support

Pre-installation Checklist

For Chatbot Agent:

- ☐ Python 3.8+ installed
- ☐ Internet connection
- ☐ Google OAuth credentials (see Google OAuth Setup guide)
- ☐ Backend Server URL (if using backend features)
- ☐ Backend API key (if using backend features)

For Backend Server:

- ☐ Python 3.8+ installed
- ☐ Static IP or domain name
- ☐ Firewall configured (port 5000 open)
- ☐ Database credentials (if using database connectors)
- ☐ Gemini API key (for AI insights)

Troubleshooting

Common Issues:

1. Python not found

- Install Python 3.8+ from python.org

- Add Python to PATH environment variable

2. Permission denied

- Windows: Run installer as Administrator
- macOS/Linux: Use `chmod +x` on installer script

3. Port already in use

- Chatbot: Change port in `chatbot_config.yaml`
- Backend: Change port in `backend_config.yaml`

4. Connection refused (chatbot -> backend)

- Check backend server is running
- Verify backend URL in `chatbot_config.yaml`
- Check firewall rules on backend server

5. API key invalid

- Regenerate API key on backend server
- Update API key in `chatbot_config.yaml`

Support Resources

- **Email:** support@vmart.co.in
- **Issues:** <https://github.com/ds25041974/V-Mart-Personal-AI-Agent/issues>
- **Documentation:** See included guides in each release package
- **Community:** GitHub Discussions

■ License

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■ Quick Start

For Home/Office Users (Recommended)

Option 1: Chatbot Only (No database features)

1. Download **V2.0 Chatbot Agent** for your OS
2. Run installer
3. Configure Google OAuth
4. Start using the chatbot

Option 2: Chatbot + Backend (Full features)

1. Install **V2.0 Backend Server** on a central computer/server
2. Install **V2.0 Chatbot Agent** on each user computer
3. Configure chatbots to connect to backend
4. Enjoy centralized data access

For Enterprise (Recommended)

Deployment Scenario:

- **Backend Server:** Deploy on cloud (AWS/Azure/GCP) or on-premises server
- **Chatbot Agents:** Install on employee workstations
- **Network:** Configure via VPN or direct internet access with SSL/TLS
- **Databases:** Connect to existing enterprise databases

- **RBAC:** Configure roles and permissions for different teams

See **DEPLOYMENT_GUIDE.md** in Backend Server package for detailed enterprise setup.

Version: 2.0

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Developed by: DSR