

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](https://www.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
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■ 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