

# 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
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## ■■ 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

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## ■ 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

<b>**RBAC**</b>	No	Via backend	23 permissions
<b>**API Access**</b>	No	REST client	REST server
<b>**File Reading**</b>	Yes	Yes	No
<b>**Google OAuth**</b>	Yes	Yes	No
<b>**Auto-start**</b>	Yes	Yes	Yes
<b>**Crash Recovery**</b>	Yes	Yes	Yes
<b>**Best For**</b>	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://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

### MIT 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.

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**Version:** 2.0

**Last Updated:** November 9, 2025

**Developed by:** DSR