# Analysis Case 5: Plan Creation and Execution

mas-planning-app | 2025-10-31T04:44:06.240383106Z 2025-10-31 04:44:06 - template.router.v1.ai - INFO - ⚙️ sessionId: testing1234 | message: Have 1 person in the Bed room. Temperature: 20C. Create Plan.  
mas-planning-app | 2025-10-31T04:44:06.240411515Z 2025-10-31 04:44:06 - template.router.v1.ai - INFO - 🔑 Token received: eyJhbGciOi...  
mas-planning-app | 2025-10-31T04:44:06.247504179Z 2025-10-31 04:44:06 - template.agent.manager - INFO - ✅ Manager Agent initialized successfully  
mas-planning-app | 2025-10-31T04:44:06.247538279Z 2025-10-31 04:44:06 - template.router.v1.ai - INFO - 📤 Input data token: eyJhbGciOi...  
mas-planning-app | 2025-10-31T04:44:06.247541767Z 2025-10-31 04:44:06 - template.agent.manager - INFO - 📥 Processing input: {'input': 'Have 1 person in the Bed room. Temperature: 20C. Create Plan.', 'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'}  
mas-planning-app | 2025-10-31T04:44:06.247547980Z 2025-10-31 04:44:06 - template.agent.manager - INFO - 🔑 ManagerAgent received token: eyJhbGciOi...  
mas-planning-app | 2025-10-31T04:44:06.247515244Z Entering Manager Agent  
mas-planning-app | 2025-10-31T04:44:06.256296666Z 2025-10-31 04:44:06 - template.agent.manager - INFO - 🔍 Analyzing query: Have 1 person in the Bed room. Temperature: 20C. Create Plan.  
mas-planning-app | 2025-10-31T04:44:06.256313862Z 2025-10-31 04:44:06 - template.agent.manager - INFO - 📚 Using 6 previous messages for context  
  
mas-planning-app | 2025-10-31T04:44:12.413591136Z 2025-10-31 04:44:12 - template.agent.manager - INFO - 🎯 Routing decision: plan (confidence: 1.00)  
mas-planning-app | 2025-10-31T04:44:12.413626559Z 2025-10-31 04:44:12 - template.agent.manager - INFO - 📝 Reasoning: The user has explicitly requested to "Create Plan". This is a primary keyword for triggering the Pla...  
mas-planning-app | 2025-10-31T04:44:12.414140452Z 2025-10-31 04:44:12 - template.agent.manager - INFO - 🚀 Routing to plan agent  
mas-planning-app | 2025-10-31T04:44:12.414396893Z 2025-10-31 04:44:12 - template.agent.plan - INFO - ✅ LLM initialized successfully  
mas-planning-app | 2025-10-31T04:44:12.426314601Z 2025-10-31 04:44:12 - template.agent.plan - WARNING - nest\_asyncio not installed  
mas-planning-app | 2025-10-31T04:44:12.426389218Z 2025-10-31 04:44:12 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
  
mas-planning-app | 2025-10-31T04:44:13.141330996Z 2025-10-31 04:44:13 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=472f4729f51b4aae8d21042a51b8f158  
mas-planning-app | 2025-10-31T04:44:13.141487602Z 2025-10-31 04:44:13 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=472f4729f51b4aae8d21042a51b8f158  
mas-planning-app | 2025-10-31T04:44:13.453865952Z 2025-10-31 04:44:13 - template.agent.plan - INFO - 🔧 Loaded 13 MCP tools  
mas-planning-app | 2025-10-31T04:44:13.453900709Z 2025-10-31 04:44:13 - template.agent.plan - INFO - 📋 PlanAgent MCP tools initialized  
mas-planning-app | 2025-10-31T04:44:13.454319626Z 2025-10-31 04:44:13 - template.agent.plan - WARNING - nest\_asyncio not installed  
mas-planning-app | 2025-10-31T04:44:13.454417592Z 2025-10-31 04:44:13 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
mas-planning-app | 2025-10-31T04:44:13.647137352Z 2025-10-31 04:44:13 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=f7f1c86f42d241d092e8bbfd4e81f596  
mas-planning-app | 2025-10-31T04:44:13.647163060Z 2025-10-31 04:44:13 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=f7f1c86f42d241d092e8bbfd4e81f596  
mas-planning-app | 2025-10-31T04:44:13.951438780Z 2025-10-31 04:44:13 - template.agent.plan - INFO - 🔧 Loaded 13 MCP tools  
mas-planning-app | 2025-10-31T04:44:13.951465345Z 2025-10-31 04:44:13 - template.agent.manager - INFO - 📋 Plan Agent initialized with LLM  
mas-planning-app | 2025-10-31T04:44:13.951527442Z 2025-10-31 04:44:13 - template.agent.manager - INFO - 📋 Plan Agent loaded  
mas-planning-app | 2025-10-31T04:44:13.951551844Z Entering Plan Agent  
mas-planning-app | 2025-10-31T04:44:13.952796218Z 2025-10-31 04:44:13 - template.agent.plan - INFO - 🎯 STEP 1: ANALYZING USER INPUT  
mas-planning-app | 2025-10-31T04:44:13.952809495Z 2025-10-31 04:44:13 - template.agent.plan - INFO - 📝 Input: Have 1 person in the Bed room. Temperature: 20C. Create Plan.  
  
mas-planning-app | 2025-10-31T04:44:28.290496533Z 2025-10-31 04:44:28 - template.agent.plan - INFO - ✅ Input analysis complete  
mas-planning-app | 2025-10-31T04:44:28.290533601Z 2025-10-31 04:44:28 - template.agent.plan - INFO - 📊 Primary Intent: Create a scheduled plan or scene for a room.  
mas-planning-app | 2025-10-31T04:44:28.290537763Z 2025-10-31 04:44:28 - template.agent.plan - INFO - 📊 Key Requirements: Set the temperature to 20 degrees Celsius., The plan is for when there is 1 person in the room.  
mas-planning-app | 2025-10-31T04:44:28.290549452Z 2025-10-31 04:44:28 - template.agent.plan - INFO - 🎯 STEP 2: RETRIEVING DEVICE INFORMATION  
mas-planning-app | 2025-10-31T04:44:28.290563353Z 2025-10-31 04:44:28 - template.agent.plan - INFO - 📡 Calling get\_device\_list tool...  
mas-planning-app | 2025-10-31T04:44:28.291080840Z 2025-10-31 04:44:28 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
mas-planning-app | 2025-10-31T04:44:28.483490148Z 2025-10-31 04:44:28 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=c3261367d8d840ca8ab4413b30ac98fa  
mas-planning-app | 2025-10-31T04:44:28.483558257Z 2025-10-31 04:44:28 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=c3261367d8d840ca8ab4413b30ac98fa  
  
mas-planning-app | 2025-10-31T04:44:29.024153442Z 2025-10-31 04:44:29 - template.agent.plan - INFO - 📱 Device data retrieved: 13757 characters  
mas-planning-app | 2025-10-31T04:44:29.024228436Z 2025-10-31 04:44:29 - template.agent.plan - INFO - ✅ Device information retrieved successfully  
mas-planning-app | 2025-10-31T04:44:29.024246690Z 2025-10-31 04:44:29 - template.agent.plan - INFO - 🏠 Found 6 rooms with devices  
mas-planning-app | 2025-10-31T04:44:29.024286211Z 2025-10-31 04:44:29 - template.agent.plan - INFO - 🎯 STEP 3: CREATING 3 PRIORITY PLANS  
mas-planning-app | 2025-10-31T04:44:29.024603738Z 2025-10-31 04:44:29 - template.agent.plan - INFO - 🤖 Generating plans with LLM...  
  
mas-planning-app | 2025-10-31T04:44:51.630958717Z 2025-10-31 04:44:51 - template.agent.plan - INFO - ✅ LLM response received: 561 characters  
mas-planning-app | 2025-10-31T04:44:51.631658659Z 2025-10-31 04:44:51 - template.agent.plan.utils - INFO - Extracted Plans: {'Security\_Plan': ['Turn off the Đèn trần in the Bed room', 'Turn off the Đèn đọc sách in the Bed room', 'Turn on the Đèn ngủ in the Bed room to simulate presence'], 'Convenience\_Plan': ['Set the Điều hòa in the Bed room to 20 degrees in cooling mode', 'Turn on the Đèn đọc sách in the Bed room', 'Turn off the Đèn trần in the Bed room'], 'Energy\_Plan': ['Set the Điều hòa in the Bed room to a power-saving temperature of 26 degrees', 'Turn off all lights in the Bed room', 'Set the Điều hòa in the Bed room to auto fan speed']}  
mas-planning-app | 2025-10-31T04:44:51.631692192Z 2025-10-31 04:44:51 - template.agent.plan - INFO - ✅ Plans created successfully  
mas-planning-app | 2025-10-31T04:44:51.631694217Z 2025-10-31 04:44:51 - template.agent.plan - INFO - 🔒 Security Plan: 3 tasks  
mas-planning-app | 2025-10-31T04:44:51.631695558Z 2025-10-31 04:44:51 - template.agent.plan - INFO - 🏠 Convenience Plan: 3 tasks  
mas-planning-app | 2025-10-31T04:44:51.631701508Z 2025-10-31 04:44:51 - template.agent.plan - INFO - 🌱 Energy Plan: 3 tasks  
mas-planning-app | 2025-10-31T04:44:51.632947166Z 2025-10-31 04:44:51 - template.agent.manager - INFO - 📝 Finalizing response from plan agent  
mas-planning-app | 2025-10-31T04:44:51.632965120Z 2025-10-31 04:44:51 - template.agent.manager - INFO - Final answer: 🏠 \*\*Smart Home Automation Plans\*\*  
mas-planning-app | 2025-10-31T04:44:51.632970803Z I've created 3 specialized plans for your request: 'Have 1 person in the Bed room. Temperature: 20C. Create Plan.'  
mas-planning-app | 2025-10-31T04:44:51.632972858Z   
mas-planning-app | 2025-10-31T04:44:51.632974580Z 🔒 \*\*Plan 1: Security Priority\*\*  
mas-planning-app | 2025-10-31T04:44:51.632976472Z 1. Turn off the Đèn trần in the Bed room  
mas-planning-app | 2025-10-31T04:44:51.632978398Z 2. Turn off the Đèn đọc sách in the Bed room  
mas-planning-app | 2025-10-31T04:44:51.632980369Z 3. Turn on the Đèn ngủ in the Bed room to simulate presence  
mas-planning-app | 2025-10-31T04:44:51.632982368Z   
mas-planning-app | 2025-10-31T04:44:51.632984155Z 🏡 \*\*Plan 2: Convenience Priority\*\*  
mas-planning-app | 2025-10-31T04:44:51.632986319Z 1. Set the Điều hòa in the Bed room to 20 degrees in cooling mode  
mas-planning-app | 2025-10-31T04:44:51.632988402Z 2. Turn on the Đèn đọc sách in the Bed room  
mas-planning-app | 2025-10-31T04:44:51.632990458Z 3. Turn off the Đèn trần in the Bed room  
mas-planning-app | 2025-10-31T04:44:51.632992549Z   
mas-planning-app | 2025-10-31T04:44:51.632994454Z ⚡ \*\*Plan 3: Energy Efficiency Priority\*\*  
mas-planning-app | 2025-10-31T04:44:51.632996616Z 1. Set the Điều hòa in the Bed room to a power-saving temperature of 26 degrees  
mas-planning-app | 2025-10-31T04:44:51.632998966Z 2. Turn off all lights in the Bed room  
mas-planning-app | 2025-10-31T04:44:51.633001144Z 3. Set the Điều hòa in the Bed room to auto fan speed  
mas-planning-app | 2025-10-31T04:44:51.633003319Z   
mas-planning-app | 2025-10-31T04:44:51.633005388Z Please select which plan you'd like to implement by saying 'Plan 1', 'Plan 2', or 'Plan 3'.  
mas-planning-app | 2025-10-31T04:44:51.633007661Z   
mas-planning-app | 2025-10-31T04:44:51.633009645Z ---  
mas-planning-app | 2025-10-31T04:44:51.633011703Z \*Debug Info: Routed to plan agent (confidence: 1.00)\*  
mas-planning-app | 2025-10-31T04:44:51.641594507Z 2025-10-31 04:44:51 - template.agent.manager - INFO - ✅ Request processed successfully in 45.39s  
mas-planning-app | 2025-10-31T04:44:51.641621906Z 2025-10-31 04:44:51 - template.agent.manager - INFO - 💾 Saved conversation to history (session: testing1234)  
mas-planning-app | 2025-10-31T04:44:51.641634841Z 2025-10-31 04:44:51 - template.router.v1.ai - INFO - 💾 Stored plan options for session testing1234\_testing1234  
  
mas-planning-app | 2025-10-31T04:44:51.641875609Z INFO: 172.30.0.1:55378 - "POST /ai/chat/text HTTP/1.1" 200 OK  
mas-planning-app | 2025-10-31T04:44:51.642593221Z INFO: 127.0.0.1:54586 - "GET /health HTTP/1.1" 200 OK  
mas-planning-app | 2025-10-31T04:44:53.812458135Z INFO: 127.0.0.1:51868 - "GET /health HTTP/1.1" 200 OK  
  
mas-planning-app | 2025-10-31T04:45:10.144243671Z 2025-10-31 04:45:10 - template.router.v1.ai - INFO - ⚙️ sessionId: testing1234 | message: Plan 1  
mas-planning-app | 2025-10-31T04:45:10.144284414Z 2025-10-31 04:45:10 - template.router.v1.ai - INFO - 🔑 Token received: eyJhbGciOi...  
mas-planning-app | 2025-10-31T04:45:10.151291997Z 2025-10-31 04:45:10 - template.agent.manager - INFO - ✅ Manager Agent initialized successfully  
mas-planning-app | 2025-10-31T04:45:10.151318467Z 2025-10-31 04:45:10 - template.router.v1.ai - INFO - 📤 Input data token: eyJhbGciOi...  
mas-planning-app | 2025-10-31T04:45:10.151484081Z 2025-10-31 04:45:10 - template.agent.manager - INFO - 📥 Processing input: {'input': 'Plan 1', 'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'}  
mas-planning-app | 2025-10-31T04:45:10.151497172Z 2025-10-31 04:45:10 - template.agent.manager - INFO - 🔑 ManagerAgent received token: eyJhbGciOi...  
mas-planning-app | 2025-10-31T04:45:10.151484197Z Entering Manager Agent  
mas-planning-app | 2025-10-31T04:45:10.153126506Z 2025-10-31 04:45:10 - template.agent.manager - INFO - 🔍 Analyzing query: Plan 1  
mas-planning-app | 2025-10-31T04:45:10.153137829Z 2025-10-31 04:45:10 - template.agent.manager - INFO - 📚 Using 6 previous messages for context  
  
mas-planning-app | 2025-10-31T04:45:15.795505240Z 2025-10-31 04:45:15 - template.agent.manager - INFO - 🎯 Routing decision: plan (confidence: 1.00)  
mas-planning-app | 2025-10-31T04:45:15.795540487Z 2025-10-31 04:45:15 - template.agent.manager - INFO - 📝 Reasoning: The user's query is "Plan 1". I will analyze the conversation history to determine the context. The ...  
mas-planning-app | 2025-10-31T04:45:15.796033245Z 2025-10-31 04:45:15 - template.agent.manager - INFO - 🚀 Routing to plan agent  
mas-planning-app | 2025-10-31T04:45:15.796053728Z 2025-10-31 04:45:15 - template.agent.manager - INFO - 📋 Loaded cached plan options: ['security\_plan', 'convenience\_plan', 'energy\_plan']  
mas-planning-app | 2025-10-31T04:45:15.796254836Z 2025-10-31 04:45:15 - template.agent.plan - INFO - ✅ LLM initialized successfully  
mas-planning-app | 2025-10-31T04:45:15.808733322Z 2025-10-31 04:45:15 - template.agent.plan - WARNING - nest\_asyncio not installed  
mas-planning-app | 2025-10-31T04:45:15.808819316Z 2025-10-31 04:45:15 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
  
mas-planning-app | 2025-10-31T04:45:16.378400849Z 2025-10-31 04:45:16 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=1e5ca9d90df34d05acc88480545bf5e3  
mas-planning-app | 2025-10-31T04:45:16.378534439Z 2025-10-31 04:45:16 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=1e5ca9d90df34d05acc88480545bf5e3  
mas-planning-app | 2025-10-31T04:45:16.718332688Z 2025-10-31 04:45:16 - template.agent.plan - INFO - 🔧 Loaded 13 MCP tools  
mas-planning-app | 2025-10-31T04:45:16.718377523Z 2025-10-31 04:45:16 - template.agent.plan - INFO - 📋 PlanAgent MCP tools initialized  
mas-planning-app | 2025-10-31T04:45:16.718944988Z 2025-10-31 04:45:16 - template.agent.plan - WARNING - nest\_asyncio not installed  
mas-planning-app | 2025-10-31T04:45:16.719040917Z 2025-10-31 04:45:16 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
mas-planning-app | 2025-10-31T04:45:16.968130695Z 2025-10-31 04:45:16 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=434b300f0328470185be9bd460365e87  
mas-planning-app | 2025-10-31T04:45:16.968182282Z 2025-10-31 04:45:16 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=434b300f0328470185be9bd460365e87  
  
mas-planning-app | 2025-10-31T04:45:17.278350922Z 2025-10-31 04:45:17 - template.agent.plan - INFO - 🔧 Loaded 13 MCP tools  
mas-planning-app | 2025-10-31T04:45:17.278389697Z 2025-10-31 04:45:17 - template.agent.manager - INFO - 📋 Plan Agent initialized with LLM  
mas-planning-app | 2025-10-31T04:45:17.278508877Z 2025-10-31 04:45:17 - template.agent.manager - INFO - 📋 Plan Agent loaded  
mas-planning-app | 2025-10-31T04:45:17.278598301Z Entering Plan Agent  
mas-planning-app | 2025-10-31T04:45:17.280747599Z ✅ Selected Plan: Security Priority Plan  
mas-planning-app | 2025-10-31T04:45:17.280750454Z 2025-10-31 04:45:17 - template.agent.plan - INFO - 📋 Tasks:  
mas-planning-app | 2025-10-31T04:45:17.280754049Z 2025-10-31 04:45:17 - template.agent.plan - INFO - 1. Turn off the Đèn trần in the Bed room  
mas-planning-app | 2025-10-31T04:45:17.280812338Z 2025-10-31 04:45:17 - template.agent.plan - INFO - 2. Turn off the Đèn đọc sách in the Bed room  
mas-planning-app | 2025-10-31T04:45:17.280816151Z 2025-10-31 04:45:17 - template.agent.plan - INFO - 3. Turn on the Đèn ngủ in the Bed room to simulate presence  
mas-planning-app | 2025-10-31T04:45:17.844196994Z 2025-10-31 04:45:17 - template.agent.api\_client - INFO - Task 'Plan Agent - Security\_Priority\_Plan' created successfully with ID: 0763bb89-972f-42c4-bf32-a59596c509b0  
mas-planning-app | 2025-10-31T04:45:17.844234398Z 2025-10-31 04:45:17 - template.agent.api\_client - INFO - 📋 Task 'Turn off the Đèn trần in the Bed room' mapped to ID: 871cebae-a6de-4ce8-912a-47ed140c8368  
mas-planning-app | 2025-10-31T04:45:17.844237761Z 2025-10-31 04:45:17 - template.agent.api\_client - INFO - 📋 Task 'Turn off the Đèn đọc sách in the Bed room' mapped to ID: ea592b3c-b3a4-478f-a198-678b36e29c74  
mas-planning-app | 2025-10-31T04:45:17.844240960Z 2025-10-31 04:45:17 - template.agent.api\_client - INFO - 📋 Task 'Turn on the Đèn ngủ in the Bed room to simulate presence' mapped to ID: f4cd9ba8-1439-4bcf-bd3d-8d12c016dff7  
mas-planning-app | 2025-10-31T04:45:17.844243146Z 2025-10-31 04:45:17 - template.agent.api\_client - INFO - 📊 Plan tracking initialized: Plan ID=0763bb89-972f-42c4-bf32-a59596c509b0, Task IDs=3  
mas-planning-app | 2025-10-31T04:45:17.845952622Z 2025-10-31 04:45:17 - template.agent.plan - INFO - 📤 Plan uploaded to API successfully  
mas-planning-app | 2025-10-31T04:45:17.845963959Z 2025-10-31 04:45:17 - template.agent.api\_client - INFO - Updating plan 0763bb89-972f-42c4-bf32-a59596c509b0 to status: RUNNING  
  
mas-planning-app | 2025-10-31T04:45:18.118060947Z 2025-10-31 04:45:18 - template.agent.api\_client - INFO - Plan '0763bb89-972f-42c4-bf32-a59596c509b0' updated successfully to status: RUNNING  
mas-planning-app | 2025-10-31T04:45:18.122512471Z 2025-10-31 04:45:18 - template.agent.tool - WARNING - nest\_asyncio not installed. May have issues in nested event loops.  
mas-planning-app | 2025-10-31T04:45:18.122567057Z 2025-10-31 04:45:18 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
mas-planning-app | 2025-10-31T04:45:18.312683299Z 2025-10-31 04:45:18 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=70f92b3c024f4459949195c1778eeb3e  
mas-planning-app | 2025-10-31T04:45:18.312707006Z 2025-10-31 04:45:18 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=70f92b3c024f4459949195c1778eeb3e  
mas-planning-app | 2025-10-31T04:45:18.625907803Z 2025-10-31 04:45:18 - template.agent.tool - INFO - 🔧 Loaded 13 MCP tools  
mas-planning-app | 2025-10-31T04:45:18.626021050Z 🚀 Executing Task 1/3: Turn off the Đèn trần in the Bed room  
mas-planning-app | 2025-10-31T04:45:18.922848241Z 2025-10-31 04:45:18 - template.agent.api\_client - INFO - Task '871cebae-a6de-4ce8-912a-47ed140c8368' updated successfully to status: RUNNING  
mas-planning-app | 2025-10-31T04:45:18.923807314Z 2025-10-31 04:45:18 - template.agent.tool - INFO - 🎯 NEW REQUEST: Turn off the Đèn trần in the Bed room  
mas-planning-app | 2025-10-31T04:45:18.923815524Z 2025-10-31 04:45:18 - template.agent.tool - INFO - 🔑 ToolAgent token: eyJhbGciOi...  
mas-planning-app | 2025-10-31T04:45:18.928242231Z 2025-10-31 04:45:18 - template.agent.tool - INFO - 🧠 REASONING PHASE (Iteration 0)  
  
mas-planning-app | 2025-10-31T04:45:26.342437185Z 2025-10-31 04:45:26 - template.agent.tool - INFO - 💭 LLM Response: ...  
mas-planning-app | 2025-10-31T04:45:26.343246543Z 2025-10-31 04:45:26 - template.agent.tool - INFO - 🔧 Tool calls planned: 1  
mas-planning-app | 2025-10-31T04:45:26.343263641Z 2025-10-31 04:45:26 - template.agent.tool - INFO - → get\_device\_list({'token': ''})  
mas-planning-app | 2025-10-31T04:45:26.345670955Z 2025-10-31 04:45:26 - template.agent.tool - INFO - 📋 Phase 2a: Executing 1 prerequisite tool(s) sequentially  
mas-planning-app | 2025-10-31T04:45:26.345715190Z 2025-10-31 04:45:26 - template.agent.tool - INFO - → get\_device\_list  
mas-planning-app | 2025-10-31T04:45:26.345769724Z 2025-10-31 04:45:26 - template.agent.tool - INFO - 🔧 Calling get\_device\_list with args: {'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'}  
mas-planning-app | 2025-10-31T04:45:26.345780119Z 2025-10-31 04:45:26 - template.agent.tool - INFO - ⏳ Creating fresh MCP client for get\_device\_list...  
mas-planning-app | 2025-10-31T04:45:26.345927550Z 2025-10-31 04:45:26 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
mas-planning-app | 2025-10-31T04:45:26.547530343Z 2025-10-31 04:45:26 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=28679df6ec9a40e4b43a34a10ba0f22b  
mas-planning-app | 2025-10-31T04:45:26.547709125Z 2025-10-31 04:45:26 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=28679df6ec9a40e4b43a34a10ba0f22b  
mas-planning-app | 2025-10-31T04:45:26.889036284Z 2025-10-31 04:45:26 - template.agent.tool - INFO - ⏳ Invoking get\_device\_list...  
  
mas-planning-app | 2025-10-31T04:45:27.071997618Z 2025-10-31 04:45:27 - template.agent.tool - INFO - ✅ get\_device\_list completed: [...  
mas-planning-app | 2025-10-31T04:45:27.072467859Z 2025-10-31 04:45:27 - template.agent.tool - INFO - 🧹 Cleaned up MCP client for get\_device\_list  
mas-planning-app | 2025-10-31T04:45:27.072574425Z 2025-10-31 04:45:27 - template.agent.tool - INFO - ✅ Execution complete. Total results: 1  
mas-planning-app | 2025-10-31T04:45:27.077423006Z 2025-10-31 04:45:27 - template.agent.tool - INFO - 🧠 REASONING PHASE (Iteration 1)  
  
mas-planning-app | 2025-10-31T04:45:33.243683750Z 2025-10-31 04:45:33 - template.agent.tool - INFO - 💭 LLM Response: ...  
mas-planning-app | 2025-10-31T04:45:33.243710361Z 2025-10-31 04:45:33 - template.agent.tool - INFO - 🔧 Tool calls planned: 1  
mas-planning-app | 2025-10-31T04:45:33.243712666Z 2025-10-31 04:45:33 - template.agent.tool - INFO - → switch\_on\_off\_controls\_v2({'data': 0.0, 'buttonId': 1927.0, 'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'})  
mas-planning-app | 2025-10-31T04:45:33.252867173Z 2025-10-31 04:45:33 - template.agent.tool - INFO - ⚙️ EXECUTION PHASE  
mas-planning-app | 2025-10-31T04:45:33.252907161Z 2025-10-31 04:45:33 - template.agent.tool - INFO - 🚀 Phase 1: Executing 1 independent tools in parallel  
mas-planning-app | 2025-10-31T04:45:33.252930558Z 2025-10-31 04:45:33 - template.agent.tool - INFO - → switch\_on\_off\_controls\_v2  
mas-planning-app | 2025-10-31T04:45:33.253014659Z 2025-10-31 04:45:33 - template.agent.tool - INFO - 🔧 Calling switch\_on\_off\_controls\_v2 with args: {'data': 0.0, 'buttonId': 1927.0, 'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'}  
mas-planning-app | 2025-10-31T04:45:33.253040981Z 2025-10-31 04:45:33 - template.agent.tool - INFO - ⏳ Creating fresh MCP client for switch\_on\_off\_controls\_v2...  
mas-planning-app | 2025-10-31T04:45:33.253187473Z 2025-10-31 04:45:33 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
mas-planning-app | 2025-10-31T04:45:33.486982513Z 2025-10-31 04:45:33 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=055dcf34bc964720831eee6dea25eb20  
mas-planning-app | 2025-10-31T04:45:33.487056666Z 2025-10-31 04:45:33 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=055dcf34bc964720831eee6dea25eb20  
mas-planning-app | 2025-10-31T04:45:33.818381155Z 2025-10-31 04:45:33 - template.agent.tool - INFO - ⏳ Invoking switch\_on\_off\_controls\_v2...  
  
mas-planning-app | 2025-10-31T04:45:34.123485634Z 2025-10-31 04:45:34 - template.agent.tool - INFO - ✅ switch\_on\_off\_controls\_v2 completed: Thiết bị Đèn trần đã được tắt thành công...  
mas-planning-app | 2025-10-31T04:45:34.124146080Z 2025-10-31 04:45:34 - template.agent.tool - INFO - 🧹 Cleaned up MCP client for switch\_on\_off\_controls\_v2  
mas-planning-app | 2025-10-31T04:45:34.124275798Z 2025-10-31 04:45:34 - template.agent.tool - INFO - ✅ Execution complete. Total results: 1  
mas-planning-app | 2025-10-31T04:45:34.128412309Z 2025-10-31 04:45:34 - template.agent.tool - INFO - 🧠 REASONING PHASE (Iteration 2)  
  
mas-planning-app | 2025-10-31T04:45:39.294523168Z 2025-10-31 04:45:39 - template.agent.api\_client - INFO - Task '871cebae-a6de-4ce8-912a-47ed140c8368' updated successfully to status: DONE  
mas-planning-app | 2025-10-31T04:45:39.295376671Z 2025-10-31 04:45:39 - template.agent.plan - INFO - ✅ Task 1 completed  
mas-planning-app | 2025-10-31T04:45:39.295401830Z 2025-10-31 04:45:39 - template.agent.plan - INFO -   
mas-planning-app | 2025-10-31T04:45:39.295405343Z 🚀 Executing Task 2/3: Turn off the Đèn đọc sách in the Bed room  
mas-planning-app | 2025-10-31T04:45:39.555997868Z 2025-10-31 04:45:39 - template.agent.api\_client - INFO - Task 'ea592b3c-b3a4-478f-a198-678b36e29c74' updated successfully to status: RUNNING  
mas-planning-app | 2025-10-31T04:45:39.557942163Z 2025-10-31 04:45:39 - template.agent.tool - INFO - 🎯 NEW REQUEST: Turn off the Đèn đọc sách in the Bed room  
mas-planning-app | 2025-10-31T04:45:39.557965119Z 2025-10-31 04:45:39 - template.agent.tool - INFO - 🔑 ToolAgent token: eyJhbGciOi...  
mas-planning-app | 2025-10-31T04:45:39.560240251Z 2025-10-31 04:45:39 - template.agent.tool - INFO - 🧠 REASONING PHASE (Iteration 0)  
  
mas-planning-app | 2025-10-31T04:45:47.663651772Z 2025-10-31 04:45:47 - template.agent.tool - INFO - 💭 LLM Response: ...  
mas-planning-app | 2025-10-31T04:45:47.663686688Z 2025-10-31 04:45:47 - template.agent.tool - INFO - 🔧 Tool calls planned: 1  
mas-planning-app | 2025-10-31T04:45:47.663690477Z 2025-10-31 04:45:47 - template.agent.tool - INFO - → get\_device\_list({'token': '<TOKEN>'})  
mas-planning-app | 2025-10-31T04:45:47.666172693Z 2025-10-31 04:45:47 - template.agent.tool - INFO - ⚙️ EXECUTION PHASE  
mas-planning-app | 2025-10-31T04:45:47.666221420Z 2025-10-31 04:45:47 - template.agent.tool - INFO - 📋 Phase 2a: Executing 1 prerequisite tool(s) sequentially  
mas-planning-app | 2025-10-31T04:45:47.666975560Z 2025-10-31 04:45:47 - template.agent.tool - INFO - → get\_device\_list  
mas-planning-app | 2025-10-31T04:45:47.666979358Z 2025-10-31 04:45:47 - template.agent.tool - INFO - 🔧 Calling get\_device\_list with args: {'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'}  
mas-planning-app | 2025-10-31T04:45:47.666981736Z 2025-10-31 04:45:47 - template.agent.tool - INFO - ⏳ Creating fresh MCP client for get\_device\_list...  
mas-planning-app | 2025-10-31T04:45:47.666983385Z 2025-10-31 04:45:47 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
mas-planning-app | 2025-10-31T04:45:47.869186064Z 2025-10-31 04:45:47 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=995fc20b7a9f4f02834f4b8ede829294  
mas-planning-app | 2025-10-31T04:45:47.869274185Z 2025-10-31 04:45:47 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=995fc20b7a9f4f02834f4b8ede829294  
  
mas-planning-app | 2025-10-31T04:45:48.731736971Z 2025-10-31 04:45:48 - template.agent.tool - INFO - ⏳ Invoking get\_device\_list...  
mas-planning-app | 2025-10-31T04:45:48.920381992Z 2025-10-31 04:45:48 - template.agent.tool - INFO - ✅ get\_device\_list completed: [  
mas-planning-app | 2025-10-31T04:45:48.920408172Z {  
mas-planning-app | 2025-10-31T04:45:48.920411273Z "house\_id": 121145,  
mas-planning-app | 2025-10-31T04:45:48.920413440Z "room\_id": 123757,  
mas-planning-app | 2025-10-31T04:45:48.920416121Z "room\_name": "Bed room 32",  
mas-planning-app | 2025-10-31T04:45:48.920418395Z "devices": [],  
mas-planning-app | 2025-10-31T04:45:48.920420454Z "buttons": []  
mas-planning-app | 2025-10-31T04:45:48.920422635Z },  
mas-planning-app | 2025-10-31T04:45:48.920424536Z {  
mas-planning-app | 2025-10-31T04:45:48.920426579Z "house\_id": 121145,  
mas-planning-app | 2025-10-31T04:45:48.920428828Z "room\_i...  
mas-planning-app | 2025-10-31T04:45:48.920924664Z 2025-10-31 04:45:48 - template.agent.tool - INFO - 🧹 Cleaned up MCP client for get\_device\_list  
mas-planning-app | 2025-10-31T04:45:48.921022577Z 2025-10-31 04:45:48 - template.agent.tool - INFO - ✅ Execution complete. Total results: 1  
mas-planning-app | 2025-10-31T04:45:48.930995831Z 2025-10-31 04:45:48 - template.agent.tool - INFO - 🧠 REASONING PHASE (Iteration 1)  
  
mas-planning-app | 2025-10-31T04:45:52.762102335Z 2025-10-31 04:45:52 - template.agent.tool - INFO - 💭 LLM Response: ...  
mas-planning-app | 2025-10-31T04:45:52.762129939Z 2025-10-31 04:45:52 - template.agent.tool - INFO - 🔧 Tool calls planned: 1  
mas-planning-app | 2025-10-31T04:45:52.762132490Z 2025-10-31 04:45:52 - template.agent.tool - INFO - → switch\_on\_off\_controls\_v2({'data': 0.0, 'buttonId': 1929.0, 'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'})  
mas-planning-app | 2025-10-31T04:45:52.768173216Z 2025-10-31 04:45:52 - template.agent.tool - INFO - 🚀 Phase 1: Executing 1 independent tools in parallel  
mas-planning-app | 2025-10-31T04:45:52.768222205Z 2025-10-31 04:45:52 - template.agent.tool - INFO - → switch\_on\_off\_controls\_v2  
mas-planning-app | 2025-10-31T04:45:52.768542878Z - template.agent.tool - INFO - 🔧 Calling switch\_on\_off\_controls\_v2 with args: {'data': 0.0, 'buttonId': 1929.0, 'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.  
eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'}  
mas-planning-app | 2025-10-31T04:45:52.768617630Z 2025-10-31 04:45:52 - template.agent.tool - INFO - ⏳ Creating fresh MCP client for switch\_on\_off\_controls\_v2...  
mas-planning-app | 2025-10-31T04:45:52.768621197Z 2025-10-31 04:45:52 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
  
mas-planning-app | 2025-10-31T04:45:56.907707350Z 2025-10-31 04:45:56 - template.agent.api\_client - INFO - Task 'ea592b3c-b3a4-478f-a198-678b36e29c74' updated successfully to status: DONE  
mas-planning-app | 2025-10-31T04:45:56.909148598Z 2025-10-31 04:45:56 - template.agent.plan - INFO - ✅ Task 2 completed  
mas-planning-app | 2025-10-31T04:45:56.909162750Z 2025-10-31 04:45:56 - template.agent.plan - INFO -   
mas-planning-app | 2025-10-31T04:45:56.909165516Z 🚀 Executing Task 3/3: Turn on the Đèn ngủ in the Bed room to simulate presence  
  
mas-planning-app | 2025-10-31T04:45:57.194894969Z 2025-10-31 04:45:57 - template.agent.api\_client - INFO - Task 'f4cd9ba8-1439-4bcf-bd3d-8d12c016dff7' updated successfully to status: RUNNING  
mas-planning-app | 2025-10-31T04:45:57.196681847Z 2025-10-31 04:45:57 - template.agent.tool - INFO - 🎯 NEW REQUEST: Turn on the Đèn ngủ in the Bed room to simulate presence  
mas-planning-app | 2025-10-31T04:45:57.196699811Z 2025-10-31 04:45:57 - template.agent.tool - INFO - 🔑 ToolAgent token: eyJhbGciOi...  
  
mas-planning-app | 2025-10-31T04:46:01.508377656Z 2025-10-31 04:46:01 - template.agent.tool - INFO - 🔧 Calling get\_device\_list with args: {'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'}  
  
mas-planning-app | 2025-10-31T04:46:02.241332129Z 2025-10-31 04:46:02 - template.agent.tool - INFO - 🧹 Cleaned up MCP client for get\_device\_list  
mas-planning-app | 2025-10-31T04:46:02.241425271Z 2025-10-31 04:46:02 - template.agent.tool - INFO - ✅ Execution complete. Total results: 1  
mas-planning-app | 2025-10-31T04:46:02.247240570Z 2025-10-31 04:46:02 - template.agent.tool - INFO - 🧠 REASONING PHASE (Iteration 1)  
  
mas-planning-app | 2025-10-31T04:46:06.072178466Z 2025-10-31 04:46:06 - template.agent.tool - INFO - 💭 LLM Response: ...  
mas-planning-app | 2025-10-31T04:46:06.072226784Z 2025-10-31 04:46:06 - template.agent.tool - INFO - 🔧 Tool calls planned: 1  
mas-planning-app | 2025-10-31T04:46:06.072229377Z 2025-10-31 04:46:06 - template.agent.tool - INFO - → switch\_on\_off\_controls\_v2({'data': 1.0, 'buttonId': 1926.0, 'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'})  
mas-planning-app | 2025-10-31T04:46:06.079758949Z 2025-10-31 04:46:06 - template.agent.tool - INFO - ⚙️ EXECUTION PHASE  
mas-planning-app | 2025-10-31T04:46:06.079777447Z 2025-10-31 04:46:06 - template.agent.tool - INFO - 🚀 Phase 1: Executing 1 independent tools in parallel  
mas-planning-app | 2025-10-31T04:46:06.079780032Z 2025-10-31 04:46:06 - template.agent.tool - INFO - → switch\_on\_off\_controls\_v2  
mas-planning-app | 2025-10-31T04:46:06.079848520Z 2025-10-31 04:46:06 - template.agent.tool - INFO - 🔧 Calling switch\_on\_off\_controls\_v2 with args: {'data': 1.0, 'buttonId': 1926.0, 'token': 'eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOjEwMzY4NSwib3JnSWQiOjAsImNvdW50cnkiOiJFTiIsImlhdCI6MTc2MTcxODUyMSwiZXhwIjoxNzkzMjU0NTIxfQ.PhSZNAjPv8z6WTcnnEPoz5cXvhlqonpm9FR7dVgvLw8'}  
mas-planning-app | 2025-10-31T04:46:06.079852296Z 2025-10-31 04:46:06 - template.agent.tool - INFO - ⏳ Creating fresh MCP client for switch\_on\_off\_controls\_v2...  
mas-planning-app | 2025-10-31T04:46:06.080208836Z 2025-10-31 04:46:06 - mcp.client.sse - INFO - Connecting to SSE endpoint: https://oxii-iotp-mcp.smarthiz.com/sse  
mas-planning-app | 2025-10-31T04:46:06.304915156Z 2025-10-31 04:46:06 - mcp.client.sse - INFO - Received endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=f4ab1541588d4f9e93f63e50b8d80031  
mas-planning-app | 2025-10-31T04:46:06.304968756Z 2025-10-31 04:46:06 - mcp.client.sse - INFO - Starting post writer with endpoint URL: https://oxii-iotp-mcp.smarthiz.com/messages/?session\_id=f4ab1541588d4f9e93f63e50b8d80031  
mas-planning-app | 2025-10-31T04:46:06.658531467Z 2025-10-31 04:46:06 - template.agent.tool - INFO - ⏳ Invoking switch\_on\_off\_controls\_v2...  
  
mas-planning-app | 2025-10-31T04:46:08.016738371Z 2025-10-31 04:46:08 - template.agent.tool - INFO - ✅ switch\_on\_off\_controls\_v2 completed: Thiết bị Đèn ngủ đã được bật thành công...  
mas-planning-app | 2025-10-31T04:46:08.017319461Z 2025-10-31 04:46:08 - template.agent.tool - INFO - 🧹 Cleaned up MCP client for switch\_on\_off\_controls\_v2  
mas-planning-app | 2025-10-31T04:46:08.017416260Z 2025-10-31 04:46:08 - template.agent.tool - INFO - ✅ Execution complete. Total results: 1  
mas-planning-app | 2025-10-31T04:46:08.021518412Z 2025-10-31 04:46:08 - template.agent.tool - INFO - 🧠 REASONING PHASE (Iteration 2)  
  
mas-planning-app | 2025-10-31T04:46:09.245422359Z 2025-10-31 04:46:09 - template.agent.tool - INFO - 💭 LLM Response: ✅ Command to turn on Đèn ngủ sent successfully....  
mas-planning-app | 2025-10-31T04:46:09.245450874Z 2025-10-31 04:46:09 - template.agent.tool - INFO - ✅ Final answer ready: ✅ Command to turn on Đèn ngủ sent successfully....  
mas-planning-app | 2025-10-31T04:46:09.248214270Z 2025-10-31 04:46:09 - template.agent.tool - INFO - ✨ FINAL OUTPUT: ✅ Command to turn on Đèn ngủ sent successfully.  
mas-planning-app | 2025-10-31T04:46:09.536263487Z 2025-10-31 04:46:09 - template.agent.api\_client - INFO - Task 'f4cd9ba8-1439-4bcf-bd3d-8d12c016dff7' updated successfully to status: DONE  
mas-planning-app | 2025-10-31T04:46:09.536997153Z 2025-10-31 04:46:09 - template.agent.plan - INFO - ✅ Task 3 completed  
mas-planning-app | 2025-10-31T04:46:09.537003829Z 2025-10-31 04:46:09 - template.agent.api\_client - INFO - Updating plan 0763bb89-972f-42c4-bf32-a59596c509b0 to status: DONE  
mas-planning-app | 2025-10-31T04:46:09.809693454Z 2025-10-31 04:46:09 - template.agent.api\_client - INFO - Plan '0763bb89-972f-42c4-bf32-a59596c509b0' updated successfully to status: DONE  
mas-planning-app | 2025-10-31T04:46:09.811329738Z 2025-10-31 04:46:09 - template.agent.manager - INFO - 📝 Finalizing response from plan agent  
mas-planning-app | 2025-10-31T04:46:09.811344739Z 2025-10-31 04:46:09 - template.agent.manager - INFO - Final answer: 🎯 \*\*Security Priority Plan Execution Complete\*\*  
mas-planning-app | 2025-10-31T04:46:09.819562256Z 2025-10-31 04:46:09 - template.agent.manager - INFO - ✅ Request processed successfully in 59.66s  
mas-planning-app | 2025-10-31T04:46:09.819578710Z 2025-10-31 04:46:09 - template.agent.manager - INFO - 💾 Saved conversation to history (session: testing1234)  
mas-planning-app | 2025-10-31T04:46:09.819605384Z 2025-10-31 04:46:09 - template.router.v1.ai - INFO - 💾 Stored plan options for session testing1234\_testing1234  
  
mas-planning-app | 2025-10-31T04:46:09.819754549Z INFO: 172.30.0.1:35858 - "POST /ai/chat/text HTTP/1.1" 200 OK  
mas-planning-app | 2025-10-31T04:46:09.820230296Z INFO: 127.0.0.1:53110 - "GET /health HTTP/1.1" 200 OK  
mas-planning-app | 2025-10-31T04:46:09.820490603Z INFO: 127.0.0.1:48054 - "GET /health HTTP/1.1" 200 OK  
mas-planning-app | 2025-10-31T04:46:39.856418779Z INFO: 127.0.0.1:49642 - "GET /health HTTP/1.1" 200 OK  
mas-planning-app | 2025-10-31T04:47:09.894920987Z INFO: 127.0.0.1:53034 - "GET /health HTTP/1.1" 200 OK  
mas-planning-app | 2025-10-31T04:47:39.931056442Z INFO: 127.0.0.1:38806 - "GET /health HTTP/1.1" 200 OK  
mas-planning-app | 2025-10-31T04:48:09.974936061Z INFO: 127.0.0.1:41652 - "GET /health HTTP/1.1" 200 OK  
mas-planning-app | 2025-10-31T04:48:40.010801198Z INFO: 127.0.0.1:57866 - "GET /health HTTP/1.1" 200 OK

🧩 1. Tổng quan dòng thời gian (Plan Creation Phase)

Thời điểm (UTC) | Thành phần | Hành động | Ghi chú  
04:44:06.240 | template.router.v1.ai | Nhận message "Have 1 person in the Bed room. Temperature: 20C. Create Plan.", sessionId: testing1234 | Entry point  
04:44:06.240 | template.router.v1.ai | Nhận token từ client | Token JWT bắt đầu bằng eyJhbGciOi...  
04:44:06.247 | template.agent.manager | Khởi tạo thành công Manager Agent | Cấu phần quản lý logic trung tâm  
04:44:06.247 | template.router.v1.ai | Gửi dữ liệu đầu vào (input + token) đến Manager Agent | "Entering Manager Agent"  
04:44:06.247 | template.agent.manager | Nhận input {input: 'Have 1 person in the Bed room. Temperature: 20C. Create Plan.', token: ...} | Xác nhận token hợp lệ  
04:44:06.247 | template.agent.manager | Phân tích câu truy vấn: "Have 1 person in the Bed room. Temperature: 20C. Create Plan." | Bắt đầu quá trình hiểu ngữ cảnh  
04:44:06.256 | template.agent.manager | Sử dụng 6 tin nhắn trước đó làm ngữ cảnh | Context từ hội thoại trước  
04:44:12.413 | template.agent.manager | Ra quyết định định tuyến: plan (confidence: 1.00) | Cần plan agent cho tạo kế hoạch  
04:44:12.413 | template.agent.manager | Gửi tiếp đến plan agent | Agent chuyên tạo và thực hiện plan  
04:44:12.414 | template.agent.plan | LLM initialized successfully | Khởi tạo LLM cho plan agent  
04:44:12.426 | template.agent.plan | Warning: nest\_asyncio not installed | Có thể ảnh hưởng nested event loops  
04:44:12.426 | mcp.client.sse | Connecting to SSE endpoint OXII API | MCP protocol connection  
04:44:13.141 | mcp.client.sse | Received endpoint URL với session\_id | Session: 472f4729f51b4aae8d21042a51b8f158  
04:44:13.141 | mcp.client.sse | Starting post writer | Thiết lập kênh gửi message  
04:44:13.453 | template.agent.plan | Loaded 13 MCP tools | Tất cả tools OXII API sẵn sàng  
04:44:13.453 | template.agent.plan | PlanAgent MCP tools initialized | Khởi tạo tools cho plan agent  
04:44:13.454 | template.agent.plan | Warning: nest\_asyncio not installed | Warning thứ hai  
04:44:13.454 | mcp.client.sse | Connecting to SSE endpoint | Kết nối thứ hai  
04:44:13.647 | mcp.client.sse | Received endpoint URL với session\_id | Session: f7f1c86f42d241d092e8bbfd4e81f596  
04:44:13.647 | mcp.client.sse | Starting post writer | Kênh thứ hai  
04:44:13.951 | template.agent.plan | Loaded 13 MCP tools | Tools loaded lần thứ hai  
04:44:13.951 | template.agent.manager | Plan Agent initialized with LLM | Hoàn tất khởi tạo  
04:44:13.951 | template.agent.manager | Plan Agent loaded | Sẵn sàng xử lý  
04:44:13.951 | template.agent.plan | Entering Plan Agent | Bắt đầu xử lý plan  
04:44:13.952 | template.agent.plan | STEP 1: ANALYZING USER INPUT | Phân tích input người dùng  
04:44:13.952 | template.agent.plan | Input: Have 1 person in the Bed room. Temperature: 20C. Create Plan. | Nội dung input  
04:44:28.290 | template.agent.plan | Input analysis complete | Hoàn tất phân tích input  
04:44:28.290 | template.agent.plan | Primary Intent: Create a scheduled plan or scene for a room. | Ý định chính  
04:44:28.290 | template.agent.plan | Key Requirements: Set the temperature to 20 degrees Celsius., The plan is for when there is 1 person in the room. | Yêu cầu chính  
04:44:28.290 | template.agent.plan | STEP 2: RETRIEVING DEVICE INFORMATION | Bước 2: Lấy thông tin thiết bị  
04:44:28.290 | template.agent.plan | Calling get\_device\_list tool... | Gọi tool lấy danh sách thiết bị  
04:44:28.291 | mcp.client.sse | Connecting to SSE endpoint | Kết nối MCP cho get\_device\_list  
04:44:28.483 | mcp.client.sse | Received endpoint URL với session\_id | Session: c3261367d8d840ca8ab4413b30ac98fa  
04:44:28.483 | mcp.client.sse | Starting post writer | Thiết lập kênh  
04:44:29.024 | template.agent.plan | Device data retrieved: 13757 characters | Nhận dữ liệu thiết bị  
04:44:29.024 | template.agent.plan | Device information retrieved successfully | Thành công lấy thông tin  
04:44:29.024 | template.agent.plan | Found 6 rooms with devices | Phát hiện 6 phòng có thiết bị  
04:44:29.024 | template.agent.plan | STEP 3: CREATING 3 PRIORITY PLANS | Bước 3: Tạo 3 kế hoạch ưu tiên  
04:44:29.024 | template.agent.plan | Generating plans with LLM... | Tạo kế hoạch với LLM  
04:44:51.630 | template.agent.plan | LLM response received: 561 characters | Nhận phản hồi từ LLM  
04:44:51.631 | template.agent.plan.utils | Extracted Plans: Security\_Plan, Convenience\_Plan, Energy\_Plan | Trích xuất các kế hoạch  
04:44:51.631 | template.agent.plan | Plans created successfully | Tạo kế hoạch thành công  
04:44:51.631 | template.agent.plan | Security Plan: 3 tasks | Kế hoạch bảo mật  
04:44:51.631 | template.agent.plan | Convenience Plan: 3 tasks | Kế hoạch tiện nghi  
04:44:51.631 | template.agent.plan | Energy Plan: 3 tasks | Kế hoạch tiết kiệm năng lượng  
04:44:51.632 | template.agent.manager | Finalizing response from plan agent | Tổng hợp phản hồi  
04:44:51.632 | template.agent.manager | Final answer: Smart Home Automation Plans | Kết quả cuối cùng  
04:44:51.641 | template.agent.manager | Request processed successfully in 45.39s | Thời gian xử lý tổng thể  
04:44:51.641 | template.agent.manager | Saved conversation to history | Lưu lịch sử hội thoại  
04:44:51.641 | template.router.v1.ai | Stored plan options for session | Lưu tùy chọn kế hoạch

⚙️ 2. Phân rã theo pipeline logic (Plan Creation)

🔹 Giai đoạn 1: Tiếp nhận yêu cầu - Router nhận plan creation request “Have 1 person in the Bed room. Temperature: 20C. Create Plan.” - Token JWT được xác thực và chuyển tiếp. - Manager Agent khởi tạo và nhận input. - ⏱ Thời gian: ~0.007 giây routing.

🔹 Giai đoạn 2: Phân tích và định tuyến - Manager phân tích yêu cầu tạo plan với điều kiện cụ thể. - Sử dụng 6 messages context từ session testing1234. - Routing decision: plan agent (confidence 1.00). - Lý do: Keyword “Create Plan” kích hoạt plan agent. - ⏱ Phân tích: ~6.157 giây (04:44:06.256 → 04:44:12.413).

🔹 Giai đoạn 3: Khởi tạo Plan Agent - Plan Agent khởi tạo với LLM và multiple MCP connections. - Cảnh báo nest\_asyncio (2 lần). - Kết nối MCP SSE với 2 sessions riêng biệt. - Load 13 MCP tools (2 lần). - ⏱ Setup: ~1.704 giây (04:44:12.414 → 04:44:13.951).

🔹 Giai đoạn 4: Input Analysis - Plan Agent phân tích input chi tiết. - Primary Intent: Create scheduled plan/scene. - Key Requirements: Temperature 20°C, 1 person in room. - ⏱ Analysis: ~14.338 giây (04:44:13.952 → 04:44:28.290).

🔹 Giai đoạn 5: Device Information Retrieval - Gọi get\_device\_list tool qua MCP. - Kết nối session: c3261367d8d840ca8ab4413b30ac98fa - Nhận 13757 characters device data. - Phát hiện 6 rooms with devices. - ⏱ Retrieval: ~0.734 giây (04:44:28.290 → 04:44:29.024).

🔹 Giai đoạn 6: Plan Generation - LLM tạo 3 priority plans: Security, Convenience, Energy. - Mỗi plan có 3 tasks. - Extract và validate plans. - ⏱ Generation: ~22.606 giây (04:44:29.024 → 04:44:51.630).

🔹 Giai đoạn 7: Response Finalization - Manager tổng hợp và format response. - Present 3 plans cho user selection. - Lưu plan options và conversation history. - ⏱ Total: 45.39 giây.

🔍 3. Nhận xét chuyên sâu

| Mục | Phân tích |
| --- | --- |
| Routing Logic | Manager chính xác định tuyến “Create Plan” → plan agent |
| Plan Agent Architecture | Multiple MCP connections, LLM integration |
| Input Analysis | Comprehensive understanding of context and requirements |
| Device Discovery | Successful retrieval of house/room structure |
| LLM Plan Generation | Creative generation of 3 priority-based plans |
| Performance | Major bottleneck in LLM analysis (14s) and generation (22s) |
| Session Management | Multiple isolated MCP sessions for different operations |
| Context Memory | Effective use of 6-message conversation history |
| User Experience | Clear plan presentation with selection options |

🧠 4. Tóm tắt luồng xử lý (Plan Creation)

[Client] "Have 1 person in the Bed room. Temperature: 20C. Create Plan."  
 ↓  
[Router] nhận message + token  
 ↓  
[Manager Agent]  
 ↳ Xác thực token  
 ↳ Phân tích plan creation intent  
 ↳ Sử dụng 6 messages context  
 ↳ Quyết định định tuyến: plan agent (confidence 1.00)  
 ↓  
[Plan Agent]  
 ↳ Initialize LLM + MCP tools (multiple sessions)  
 ↳ Step 1: Analyze input (14s)  
 ↳ Step 2: Retrieve device info (0.7s)  
 ↳ Step 3: Generate 3 plans with LLM (22s)  
 ↳ Success: 3 priority plans created  
 ↓  
[Manager] finalize response, save history  
 ↓  
Hoàn tất (45.39s) - Plans ready for selection

✅ 5. Kết luận - Pipeline hoạt động hoàn chỉnh cho plan creation với LLM reasoning. - Routing chính xác → Plan Agent với confidence cao. - Comprehensive input analysis và device discovery. - Creative plan generation với 3 priority options. - Performance: LLM reasoning bottlenecks (36s total). - Multiple MCP sessions cho isolation. - Context memory và conversation continuity tốt. - Sẵn sàng cho plan selection và execution phase tiếp theo.

🧩 6. Tổng quan dòng thời gian (Plan Execution Phase)

Thời điểm (UTC) | Thành phần | Hành động | Ghi chú  
04:45:10.144 | template.router.v1.ai | Nhận message "Plan 1", sessionId: testing1234 | User selects Security Plan  
04:45:10.144 | template.router.v1.ai | Nhận token từ client | Same JWT token  
04:45:10.151 | template.agent.manager | Khởi tạo Manager Agent | Re-initialization  
04:45:10.151 | template.router.v1.ai | Gửi input "Plan 1" đến Manager | Plan selection input  
04:45:10.151 | template.agent.manager | Nhận input {input: 'Plan 1', token: ...} | Processing plan selection  
04:45:10.151 | template.agent.manager | Entering Manager Agent | Second entry  
04:45:10.153 | template.agent.manager | Phân tích query: Plan 1 | Analyzing plan selection  
04:45:10.153 | template.agent.manager | Sử dụng 6 messages context | Same conversation context  
04:45:15.795 | template.agent.manager | Routing decision: plan (confidence: 1.00) | Plan agent for execution  
04:45:15.795 | template.agent.manager | Reasoning: Plan selection detected | Context analysis  
04:45:15.796 | template.agent.manager | Routing to plan agent | Same agent  
04:45:15.796 | template.agent.manager | Loaded cached plan options | Security, Convenience, Energy  
04:45:15.796 | template.agent.plan | LLM initialized successfully | Re-initialization  
04:45:15.808 | template.agent.plan | Warning: nest\_asyncio not installed | Same warning  
04:45:15.808 | mcp.client.sse | Connecting to SSE endpoint | New MCP session  
04:45:16.378 | mcp.client.sse | Received endpoint URL session\_id=1e5ca9d90df34d05acc88480545bf5e3 | New session  
04:45:16.378 | mcp.client.sse | Starting post writer | New channel  
04:45:16.718 | template.agent.plan | Loaded 13 MCP tools | Tools loaded  
04:45:16.718 | template.agent.plan | PlanAgent MCP tools initialized | Ready  
04:45:16.719 | template.agent.plan | Warning: nest\_asyncio not installed | Warning again  
04:45:16.719 | mcp.client.sse | Connecting to SSE endpoint | Second connection  
04:45:16.968 | mcp.client.sse | Received endpoint URL session\_id=434b300f0328470185be9bd460365e87 | Second session  
04:45:16.968 | mcp.client.sse | Starting post writer | Second channel  
04:45:17.278 | template.agent.plan | Loaded 13 MCP tools | Tools loaded again  
04:45:17.278 | template.agent.manager | Plan Agent initialized with LLM | Complete  
04:45:17.278 | template.agent.manager | Plan Agent loaded | Ready  
04:45:17.278 | template.agent.plan | Entering Plan Agent | Execution phase  
04:45:17.280 | template.agent.plan | Selected Plan: Security Priority Plan | Plan 1 confirmed  
04:45:17.280 | template.agent.plan | Tasks: Turn off Đèn trần, Turn off Đèn đọc sách, Turn on Đèn ngủ | 3 tasks  
04:45:17.844 | template.agent.api\_client | Task 'Plan Agent - Security\_Priority\_Plan' created ID: 0763bb89-972f-42c4-bf32-a59596c509b0 | Plan tracking  
04:45:17.844 | template.agent.api\_client | Task mappings created for 3 subtasks | Individual task IDs  
04:45:17.844 | template.agent.api\_client | Plan tracking initialized | API integration  
04:45:17.845 | template.agent.plan | Plan uploaded to API successfully | Backend sync  
04:45:17.845 | template.agent.api\_client | Plan status updated to RUNNING | Execution started  
04:45:18.118 | template.agent.api\_client | Plan RUNNING confirmed | Status update  
04:45:18.122 | template.agent.tool | Warning: nest\_asyncio not installed | Tool agent warning  
04:45:18.122 | mcp.client.sse | Connecting to SSE endpoint | Tool execution session  
04:45:18.312 | mcp.client.sse | Received endpoint URL session\_id=70f92b3c024f4459949195c1778eeb3e | Tool session  
04:45:18.312 | mcp.client.sse | Starting post writer | Tool channel  
04:45:18.625 | template.agent.tool | Loaded 13 MCP tools | Tool agent ready  
04:45:18.626 | template.agent.plan | Executing Task 1/3: Turn off the Đèn trần | Sequential execution  
04:45:18.922 | template.agent.api\_client | Task 871cebae-a6de-4ce8-912a-47ed140c8368 RUNNING | Task status  
04:45:18.923 | template.agent.tool | NEW REQUEST: Turn off the Đèn trần in the Bed room | Tool agent input  
04:45:18.923 | template.agent.tool | ToolAgent token received | Authentication  
04:45:18.928 | template.agent.tool | REASONING PHASE (Iteration 0) | Device control reasoning  
04:45:26.342 | template.agent.tool | LLM Response received | Reasoning complete  
04:45:26.343 | template.agent.tool | Tool calls planned: get\_device\_list | Prerequisite tool  
04:45:26.345 | template.agent.tool | EXECUTION PHASE 2a: Sequential prerequisite tools | Device discovery  
04:45:26.345 | template.agent.tool | get\_device\_list | Calling device list  
04:45:26.345 | mcp.client.sse | Fresh MCP client for get\_device\_list | New session  
04:45:26.547 | mcp.client.sse | Endpoint URL session\_id=28679df6ec9a40e4b43a34a10ba0f22b | Device session  
04:45:26.547 | mcp.client.sse | Starting post writer | Device channel  
04:45:26.889 | template.agent.tool | Invoking get\_device\_list | API call  
04:45:27.071 | template.agent.tool | get\_device\_list completed | Device data received  
04:45:27.072 | template.agent.tool | MCP client cleaned up | Session cleanup  
04:45:27.072 | template.agent.tool | Execution complete | Device info ready  
04:45:27.077 | template.agent.tool | REASONING PHASE (Iteration 1) | Control reasoning  
04:45:33.243 | template.agent.tool | LLM Response received | Control plan  
04:45:33.243 | template.agent.tool | Tool calls: switch\_on\_off\_controls\_v2 | Control command  
04:45:33.252 | template.agent.tool | EXECUTION PHASE 1: Parallel independent tools | Control execution  
04:45:33.252 | template.agent.tool | switch\_on\_off\_controls\_v2 | Device control  
04:45:33.253 | mcp.client.sse | Fresh MCP client for switch\_on\_off\_controls\_v2 | Control session  
04:45:33.486 | mcp.client.sse | Endpoint URL session\_id=055dcf34bc964720831eee6dea25eb20 | Control session  
04:45:33.486 | mcp.client.sse | Starting post writer | Control channel  
04:45:33.818 | template.agent.tool | Invoking switch\_on\_off\_controls\_v2 | API call  
04:45:34.123 | template.agent.tool | switch\_on\_off\_controls\_v2 completed | Đèn trần turned off  
04:45:34.124 | template.agent.tool | MCP client cleaned up | Session cleanup  
04:45:34.124 | template.agent.tool | Execution complete | Task 1 done  
04:45:34.128 | template.agent.tool | REASONING PHASE (Iteration 2) | Final reasoning  
04:45:39.294 | template.agent.api\_client | Task 871cebae RUNNING → DONE | Task completion  
04:45:39.295 | template.agent.plan | Task 1 completed | Progress update  
04:45:39.295 | template.agent.plan | Executing Task 2/3: Turn off the Đèn đọc sách | Next task  
04:45:39.555 | template.agent.api\_client | Task ea592b3c RUNNING | Task 2 started  
04:45:39.557 | template.agent.tool | NEW REQUEST: Turn off the Đèn đọc sách | Tool input  
04:45:39.557 | template.agent.tool | ToolAgent token | Authentication  
04:45:39.560 | template.agent.tool | REASONING PHASE (Iteration 0) | Reasoning cycle  
04:45:47.663 | template.agent.tool | LLM Response | Reasoning complete  
04:45:47.663 | template.agent.tool | Tool calls: get\_device\_list | Device discovery  
04:45:47.666 | template.agent.tool | EXECUTION PHASE 2a | Sequential tools  
04:45:47.666 | template.agent.tool | get\_device\_list | Device list call  
04:45:47.666 | mcp.client.sse | Fresh MCP client | New session  
04:45:47.869 | mcp.client.sse | Endpoint URL session\_id=995fc20b7a9f4f02834f4b8ede829294 | Device session  
04:45:47.869 | mcp.client.sse | Starting post writer | Device channel  
04:45:48.731 | template.agent.tool | Invoking get\_device\_list | API call  
04:45:48.920 | template.agent.tool | get\_device\_list completed | Device data  
04:45:48.920 | template.agent.tool | MCP client cleaned up | Cleanup  
04:45:48.921 | template.agent.tool | Execution complete | Ready for control  
04:45:48.930 | template.agent.tool | REASONING PHASE (Iteration 1) | Control reasoning  
04:45:52.762 | template.agent.tool | LLM Response | Control plan  
04:45:52.762 | template.agent.tool | Tool calls: switch\_on\_off\_controls\_v2 | Control command  
04:45:52.768 | template.agent.tool | EXECUTION PHASE 1 | Parallel execution  
04:45:52.768 | template.agent.tool | switch\_on\_off\_controls\_v2 | Device control  
04:45:52.768 | mcp.client.sse | Fresh MCP client | Control session  
04:45:56.907 | template.agent.api\_client | Task ea592b3c RUNNING → DONE | Task 2 complete  
04:45:56.909 | template.agent.plan | Task 2 completed | Progress  
04:45:56.909 | template.agent.plan | Executing Task 3/3: Turn on the Đèn ngủ | Final task  
04:45:57.194 | template.agent.api\_client | Task f4cd9ba8 RUNNING | Task 3 started  
04:45:57.196 | template.agent.tool | NEW REQUEST: Turn on the Đèn ngủ | Tool input  
04:45:57.196 | template.agent.tool | ToolAgent token | Authentication  
04:45:57.196 | template.agent.tool | REASONING PHASE (Iteration 0) | Final reasoning  
04:46:01.508 | template.agent.tool | get\_device\_list called | Device discovery  
04:46:02.241 | template.agent.tool | MCP client cleaned up | Cleanup  
04:46:02.241 | template.agent.tool | Execution complete | Ready  
04:46:02.247 | template.agent.tool | REASONING PHASE (Iteration 1) | Control reasoning  
04:46:06.072 | template.agent.tool | LLM Response | Control plan  
04:46:06.072 | template.agent.tool | Tool calls: switch\_on\_off\_controls\_v2 | Final control  
04:46:06.079 | template.agent.tool | EXECUTION PHASE 1 | Parallel execution  
04:46:06.079 | template.agent.tool | switch\_on\_off\_controls\_v2 | Device control  
04:46:06.080 | mcp.client.sse | Fresh MCP client | Final session  
04:46:06.304 | mcp.client.sse | Endpoint URL session\_id=f4ab1541588d4f9e93f63e50b8d80031 | Final session  
04:46:06.304 | mcp.client.sse | Starting post writer | Final channel  
04:46:06.658 | template.agent.tool | Invoking switch\_on\_off\_controls\_v2 | API call  
04:46:08.016 | template.agent.tool | switch\_on\_off\_controls\_v2 completed | Đèn ngủ turned on  
04:46:08.017 | template.agent.tool | MCP client cleaned up | Cleanup  
04:46:08.017 | template.agent.tool | Execution complete | Task 3 done  
04:46:08.021 | template.agent.tool | REASONING PHASE (Iteration 2) | Final check  
04:46:09.245 | template.agent.tool | Final answer ready | Success confirmation  
04:46:09.245 | template.agent.tool | FINAL OUTPUT | Command sent successfully  
04:46:09.248 | template.agent.tool | ✨ FINAL OUTPUT | Complete  
04:46:09.536 | template.agent.api\_client | Task f4cd9ba8 RUNNING → DONE | Task 3 complete  
04:46:09.536 | template.agent.plan | Task 3 completed | All tasks done  
04:46:09.537 | template.agent.api\_client | Plan status updated to DONE | Plan complete  
04:46:09.809 | template.agent.api\_client | Plan DONE confirmed | Final status  
04:46:09.811 | template.agent.manager | Finalizing response from plan agent | Response prep  
04:46:09.811 | template.agent.manager | Final answer: Security Priority Plan Execution Complete | Success message  
04:46:09.819 | template.agent.manager | Request processed successfully in 59.66s | Total time  
04:46:09.819 | template.agent.manager | Saved conversation to history | History saved  
04:46:09.819 | template.router.v1.ai | Stored plan options for session | Options stored

⚙️ 7. Phân rã theo pipeline logic (Plan Execution)

🔹 Giai đoạn 1: Plan Selection

* Router nhận “Plan 1” selection từ user.
* Manager Agent phân tích và sử dụng cached plan options.
* Routing decision: plan agent (confidence 1.00).
* Lý do: Plan selection detected trong context.
* ⏱ Selection: ~5.642 giây (04:45:10.153 → 04:45:15.795).

🔹 Giai đoạn 2: Plan Agent Re-initialization - Plan Agent khởi tạo lại với LLM và MCP connections. - Load cached plan options: Security, Convenience, Energy. - Selected Plan: Security Priority (Plan 1). - ⏱ Setup: ~1.482 giây (04:45:15.796 → 04:45:17.278).

🔹 Giai đoạn 3: Plan Upload & Task Creation - Tạo plan tracking với API: ID 0763bb89-972f-42c4-bf32-a59596c509b0 - Map 3 tasks với individual IDs. - Upload plan to API và set status RUNNING. - ⏱ Upload: ~0.567 giây (04:45:17.280 → 04:45:18.118).

🔹 Giai đoạn 4: Sequential Task Execution - **Task 1**: Turn off Đèn trần (04:45:18.626 → 04:45:39.294) - Tool Agent reasoning (2 iterations) - get\_device\_list → switch\_on\_off\_controls\_v2 - Success: Đèn trần turned off - ⏱ 20.668 giây - **Task 2**: Turn off Đèn đọc sách (04:45:39.555 → 04:45:56.907) - Similar reasoning pattern - get\_device\_list → switch\_on\_off\_controls\_v2 - Success: Đèn đọc sách turned off - ⏱ 17.352 giây - **Task 3**: Turn on Đèn ngủ (04:45:57.194 → 04:46:09.536) - Final task execution - get\_device\_list → switch\_on\_off\_controls\_v2 - Success: Đèn ngủ turned on (simulate presence) - ⏱ 12.342 giây

🔹 Giai đoạn 5: Completion & Response - All tasks marked DONE, plan status DONE. - Manager finalizes response. - Save conversation history. - ⏱ Finalization: ~0.275 giây.

🔍 8. Nhận xét chuyên sâu (Plan Execution)

| Mục | Phân tích |
| --- | --- |
| Plan Selection | Cached options used, Security Plan selected |
| Task Orchestration | Sequential execution with API tracking |
| Tool Agent Pattern | Consistent reasoning: device discovery → control |
| MCP Session Management | Fresh sessions per operation for isolation |
| Performance | Task execution: 20.7s + 17.4s + 12.3s = 50.4s |
| API Integration | Real-time task status updates |
| Error Handling | No failures, all operations successful |
| Resource Cleanup | MCP clients cleaned up after each operation |
| User Feedback | Clear progress updates and final confirmation |

🧠 9. Tóm tắt luồng xử lý (Plan Execution)

[Client] "Plan 1"  
 ↓  
[Router] nhận selection + token  
 ↓  
[Manager Agent]  
 ↳ Phân tích plan selection  
 ↳ Load cached plan options  
 ↳ Routing: plan agent (confidence 1.00)  
 ↓  
[Plan Agent]  
 ↳ Re-initialize LLM + MCP tools  
 ↳ Select Security Plan (3 tasks)  
 ↳ Create plan tracking in API  
 ↳ Set plan status: RUNNING  
 ↓  
[Sequential Execution]  
 ↳ Task 1: Turn off Đèn trần  
 → Tool Agent: get\_device\_list → switch\_on\_off\_controls\_v2  
 → API: Task DONE  
 ↳ Task 2: Turn off Đèn đọc sách  
 → Tool Agent: get\_device\_list → switch\_on\_off\_controls\_v2  
 → API: Task DONE  
 ↳ Task 3: Turn on Đèn ngủ  
 → Tool Agent: get\_device\_list → switch\_on\_off\_controls\_v2  
 → API: Task DONE  
 ↓  
[Completion]  
 ↳ Plan status: DONE  
 ↳ Manager: Final response  
 ↳ Save history  
 ↓  
Hoàn tất (59.66s) - Security Plan executed successfully

✅ 10. Kết luận (Complete Plan Lifecycle)

* **Plan Creation Phase**: LLM-driven generation of 3 priority plans (45.39s)
* **Plan Execution Phase**: Sequential task execution with Tool Agent (59.66s)
* **Total Time**: 104.05 giây cho complete plan lifecycle
* **Success Rate**: 100% - all operations completed without errors
* **Architecture Highlights**:
  + Agent-based orchestration (Manager → Plan → Tool)
  + MCP protocol for device integration
  + API-backed task tracking
  + Session isolation per operation
  + LLM reasoning for device control
* **Performance Characteristics**:
  + Plan creation: LLM bottleneck (36s reasoning)
  + Task execution: Tool Agent reasoning per task (~17s avg)
  + Network/API: Fast MCP connections and status updates
* **Scalability**: Framework supports multiple plans/tasks with proper tracking
* **User Experience**: Clear plan selection → automated execution → completion confirmation