

SAVING PROJECT MANAGEMENT TIME USING AI WORKFLOWS ON MODERN PCS POWERED BY AMD RYZEN PROCESSORS

We compared the time it took the HP EliteDesk 8 SFF G2a (with and without AI) to the HP Pavilion Desktop T01-2096 to complete the following tasks:

- Generating tasks from emails
- Summarizing a meeting transcript
- Reviewing Jira tickets
- Updating a presentation
- Managing client communication and scheduling meetings

We also measured the multitasking performance of each system in a scenario that ran Procyon Office Productivity Benchmark while running a Teams meeting and a local LLM system running on NPU for the HP EliteDesk and running on GPU for the HP Pavilion.

This document describes what we tested, how we tested, and what we found. We concluded our hands-on testing on May 16, 2026. During testing, we determined the appropriate hardware and software configurations and applied updates as they became available. The results in this report reflect configurations that we finalized on May 5, 2026 or earlier. Unavoidably, these configurations may not represent the latest versions available when this report appears.

To learn more about how we have calculated the wins in this report, go to <https://facts.pt/calculating-and-highlighting-wins>. Unless we state otherwise, we have followed the rules and principles we outline in that document.

RESULTS

Using AI vs manual approach on an HP EliteDesk 8 SFF G2a

Table 1: Time to complete tasks on the HP EliteDesk 8 SFF G2a with and without AI. Source: PT.

Task	HP EliteDesk 8 SFF G2a without AI	HP EliteDesk 8 SFF G2a with AI	Time saved with AI hh:mm:ss	% Time saved with AI
Generating tasks from emails	0:03:35	0:02:30	0:01:05	30.2%
Summarizing a meeting transcript	1:00:10	0:02:12	0:57:58	96.3%
Reviewing Jira tickets	0:04:28	0:02:02	0:02:26	54.4%
Updating a presentation	0:29:40	0:16:49	0:12:51	43.3%
Managing client communication and scheduling meetings	0:18:51	0:03:56	0:14:55	79.1%
Total	1:56:44	0:27:29	1:29:15	76.4%



Using AI on an HP EliteDesk SFF G2a vs using a manual approach on an HP Pavilion

Table 2: Time to complete tasks on the HP EliteDesk 8 SFF G2a with AI vs. the HP Pavilion without AI. Source: PT.

Time to complete tasks (hh:mm:ss)	HP EliteDesk 8 SFF G2a with AI	HP Pavilion TP01-2096 without AI	Time saved on the HP EliteDesk 8 SFF G2a with AI hh:mm:ss	% Time saved on the HP EliteDesk 8 SFF G2a with AI
Generating tasks from emails	0:02:30	0:03:36	0:01:06	30.5%
Summarizing a meeting transcript	0:02:12	1:00:41	0:58:29	96.3%
Reviewing Jira tickets	0:02:02	0:04:27	0:02:25	54.3%
Updating a presentation	0:16:49	0:29:57	0:13:08	43.8%
Managing client communication and scheduling meetings	0:03:56	0:18:52	0:14:56	79.1%
Total	0:27:29	1:57:33	1:30:04	76.6%

Table 3: Time to complete tasks on the HP EliteDesk 8 SFF G2a with AI vs. the HP Pavilion without AI extrapolated over a workweek. Source: PT.

Time to complete task (hh:mm:ss)	Estimated iterations per week	HP EliteDesk 8 SFF G2a With AI	HP Pavilion TP01-2096 Without AI	Time saved on the HP EliteDesk 8 SFF G2a with AI hh:mm:ss	% Time saved on the HP EliteDesk 8 SFF G2a with AI
Generating tasks from emails	5	0:12:30	0:18:00	0:05:30	30.5%
Summarizing a meeting transcript	5	0:11:00	5:03:25	4:52:25	96.3%
Reviewing Jira tickets	10	0:20:20	0:44:30	0:24:10	54.3%
Updating a presentation	1	0:16:49	0:29:57	0:13:08	43.8%
Managing client communication and scheduling meetings	50	3:16:40	15:43:20	12:26:40	79.1%
Total		4:17:19	22:19:12	18:01:53	80.7%

Testing productivity while simultaneously running a large language model

Table 4: Procyon Office Productivity benchmark scores while simultaneously running an LLM on a current AMD Ryzen AI processor-powered PC (running on NPU) and a previous-gen PC (equipped with a GPU). Higher is better. Source: PT.

Procyon Office Productivity	HP EliteDesk 8 SFF G2a modal running on NPU	HP Pavilion TP01-2096 modal running on GPU	Percent improvement
Overall Rating - Median - (Higher is better)	7594	5452	39.2%
Word Score - (higher is better)	8246	5423	52.0%
Excel Score - (higher is better)	7244	5363	35.0%
PowerPoint Score - (higher is better)	8590	6607	30.0%
Outlook Score - (higher is better)	5534	3881	42.5%

SYSTEM CONFIGURATION INFORMATION

Table 5: Configuration information for the systems we tested.

System	HP EliteDesk 8 SFF G2a	HP Pavilion Desktop T01-2096
Processor		
Vendor	AMD	AMD
Model number	Ryzen™ AI 7 PRO 450G	Ryzen 7 5700G
Core frequency (MHz)	2,000	3,800
Number of cores	8	8
Cache (MB)	16	16
Memory		
Amount	32	32
Type	DDR5	DDR4
Speed (MHz)	2,800	1,333
Integrated graphics		
Vendor	AMD	AMD
Model number	AMD Radeon™ 860M	AMD Radeon™ Graphics
Storage		
Amount	1 TB	1 TB
Type	SSD	SSD
Connectivity/expansion		
Wired internet	1 x Gigabit Ethernet	1 x Gigabit Ethernet
Wireless internet	MediaTek MT7925	Realtek RTL8821CE (802.11ac)
Bluetooth	5.4	5.0
USB	9 x USB Type-A, 1 x USB Type-C	4 x 2.0, 4 x SuperSpeed Type-A, 1 x SuperSpeed Type-C
Thunderbolt	N/A	N/A
Video	2 x HDMI 2.1, 1 x Display Port	1 x HDMI 1.4b
Operating system		
Vendor	Microsoft	Microsoft
Name	Windows 11 Pro	Windows 11 Pro
Build number or version	10.0.26200 (Build 26200)	10.0.26200 (Build 26200)
BIOS		
BIOS name and version	HP Y07 Ver. 92.03.00	AMI F.39
Dimensions		
Height (in.)	3.94	13.28
Width (in.)	11.95	6.12
Depth (in.)	12.13	11.97
Weight (lb.)	9.37	9.62

HOW WE TESTED

Setting up the systems

AMDTest folder

1. Download and extract the folder to the C drive.

Installing AMD Adrenaline

1. Go to <https://www.amd.com/en/support/download/drivers.html> to get the latest AMD Adrenaline application.
2. Click Download Windows Drivers.
3. Open the executable, and proceed with installation.
4. Click Accept & Express Install to install the necessary drivers.
5. Wait for the installation to finish.
6. Restart the system when prompted.

Generating tasks from emails

Installing the nodes

1. Navigate to <https://nodejs.org/en/download> and click on the Windows Installer.
2. Launch the installation and use the default settings throughout the installation.

Installing and setting up Lemonade

1. Download Lemonade Server from <https://lemonade-server.ai/>.
2. Launch the installation, and use the default settings throughout the installation.
3. At the end of the installation, select the option to Run Lemonade Server now.
4. Wait 10 to 20 seconds for the Lemonade notification to pop up in the lower-right corner of the screen. Lemonade server is now running in the background.
5. If Lemonade isn't running, manually launch it through the Windows search bar.
6. In the taskbar, right-click the Lemonade icon, and select Open app.
7. In the search field in the left sidebar, type Qwen3.5
8. Select the download button of 4B version of the Qwen 3.5 model.
9. When the download completes, load the newly installed model Qwen3.5-4B-GGUF by clicking on the play icon next to the model name.

Installing and setting up AnythingLLM

1. Navigate to <https://anythingllm.com/desktop>, and click the Download for Windows (x64) link.
2. Launch the AnythingLLMDesktop executable, and use the default settings throughout the installation.
3. When the install is complete, launch AnythingLLM.
4. Select Get Started.
5. Under models, select manual setup.
6. For LLM providers, select Lemonade.
7. Enter `http://localhost:13305` for the Base URL
8. Set the Model Context windows to 32000.
9. Select Qwen3.5-4B-GGUF, and select the arrow on the right-side of the screen.
10. Select the arrow on the right side of the screen again.
11. On the Welcome page, select Skip Survey.

12. Close any popups that may appear.
13. Click Open Settings.
14. Under the Admin drop-down, select Default Systems Prompt.
15. Update the prompt by entering the following text:

"Given the following conversation, relevant context, and a follow up question, reply with an answer to the current question the user is asking. Return only your response to the question given the above information following the users instructions as needed.

You are a sophisticated work assistant agent that have access to sophisticated tools like "Google workspace" Skill. Whenever the user mentions creating or modifying 'drive', 'docs', 'sheets', or 'tasks' / 'task' , you must always use the "Google Workspace" skill to fetch or modify relevant information before answering. Do not wait for a specific command; treat these keywords as triggers for tool usage."

16. Select Save Changes.

Setting up the AnythingLLM Google Workspace Custom Plugin

1. Execute the run_me.bat executable from the AnythingLLM Plugin folder within the AMDTest folder.
2. Close the terminal when the installation finishes.
3. Stop AnythingLLM by closing the app in the system tray.
4. Launch AnythingLLM to ensure the Google Workspace plugin is enabled.
5. Select Open Settings.
6. Select the Agent Skills category.
7. Under Custom Skills, ensure that Google workspace is present and turned on.

Setting up the Google Script

1. Navigate to <https://github.com/Mintplex-Labs/anythingllm-gapps/blob/main/gmail/index.gs>, and copy the code.
2. Navigate to <https://script.google.com/home>.
3. Log in, and select New project to create a new Apps script project.
4. Paste the code copied in step 1.
5. Scroll to line 33 and change it to the following:
`const API_KEY = "anythingLLM_test";`
6. Make a copy of anythingLLM_test API key.
7. At the top of the screen, click the Deploy drop down and select New deployment.
8. Select the settings icon and select Web app from the dropdown menu.
9. In the New Description field, enter Initial Deployment
10. In the Who has access field drop-down menu, select Anyone.
11. Click Deploy.
12. Click Authorize access.
13. Select Advanced, and select Go to Untitled project.
14. Ensure the Select all checkbox is checked, and click Continue.

15. The deployment popup should now display the Deployment ID and the Web app URL. Copy the deployment ID.
16. Keep the API key and Deployment saved files for later use.

Setting up the AnythingLLM Google Workspace Custom Plugin

1. In AnythingLLM, select Open settings.
2. From the left window, select Agent Skills.
3. Under App Integrations, select Gmail.
4. Paste your deployment ID and API key to activate the integration.
5. Close Anything LLM.

AI-enhanced workflow

1. Simultaneously start the stopwatch and open AnythingLLM.
2. Select New Thread and enter the following prompt:
Can you look at the last 3 Mexicat related emails and create google tasks based on it.
3. When AnythingLLM finishes processing the data, open <https://tasks.google.com/tasks/> to verify the automatically created tasks.
4. Stop the stopwatch when the last task is verified.
5. Record the results, and repeat steps 1 through 4 two more times.

Manual workflow

1. Simultaneously start the stopwatch and launch Microsoft Edge.
2. Navigate to <https://mail.google.com>.
3. When the inbox has fully loaded, read emails in sequential order:
 - Open each email individually
 - Read subject, sender, and full content
 - Identify actionable items (reply, schedule, review, etc)
4. Open <https://tasks.google.com/> in a new tab.
5. Click Add task for each identified action.
6. Manually enter:
 - Task title
 - Description/context from email
 - Due date (if applicable)
 - Priority level (user-defined judgement)
7. Frequently switch back to Gmail to verify accuracy.
8. Repeat for all relevant emails.
9. Review completed task list for consistency and missing entries.
10. Adjust or edit tasks manually if inconsistencies are found.
11. When all entries are complete and verified, stop the stopwatch.
12. Record the results and repeat steps 1 through 11 two more times.

Summarizing a meeting transcript

Installing and setting up LM Studio

1. Navigate to <https://lmstudio.ai>, and select Download for Windows.
2. Launch the installation, and use the default settings throughout the installation.
3. Launch LM Studio, and select Get Started.
4. When prompted to download gemma-4-e4b, select Skip for now.
5. Under Advanced settings, enable the Turn on Developer Mode option, and select Continue to LM Studio.
6. On the left side bar, select the Model Search option.
7. In the search field, enter LFM2-2.6b-Transcript-GGUF and select the first options that appears. Choose Q8_0 from the Download Options, and click Download.
8. When the download completes, close the tab by clicking the X on the top right side.

AI-enhanced workflow

1. Simultaneously start the timer and launch LM Studio.
2. Select New chat.
3. Click Select a model to load, and enable the Manually choose model load parameters option.
4. Select the LFM2 2.6B Transcript model.
5. Adjust Context Length to 32K, and click Load Model.
6. Wait for the model to finish loading.
7. Select the “+” button on the left side of the chat box, and select Attach file. If a popup appears, select Upload File and navigate to C:\AMDtest\Transcript path and select Ryzen AI PC Persona Core Team – Transcript.
8. Click Open.
9. Paste the following prompt in the chat box:
Can you provide summary, key insights and actions from this transcript?
10. Click Enter to send the prompt.
11. Wait for the response to be fully generated.
12. Copy the generated text.
13. Open Word, and paste the copied text.
14. Simultaneously stop the stopwatch and save the Word file.
15. Record the results and repeat steps 1 through 14 two more times.

Manual workflow

1. Simultaneously start the stopwatch and open the meeting transcript in Microsoft Word.
2. Read through the entire document carefully, identifying:
 - Summary
 - Key points from the meeting
 - Action items
3. Highlight or note down the important sections manually.
4. Open new Microsoft Word document to begin drafting the meeting minutes.
5. Start writing the report using the following structure:
 - Summary (Summarize the overall purpose and outcome of the meeting)

- Key Points from the Meeting (List major topics discussed and insights shared)
 - Action Items (Mention tasks assigned, responsible person, and deadlines if available)
6. Use only basic formatting: Dashes for bullet points and consistent spacing.
 7. Review the document for clarity, conciseness, and completeness.
 8. Simultaneously stop the stopwatch and save Word document.
 9. Record the results and repeat steps 1 through 8 two more times.

Reviewing Jira tickets

Installing the node

1. Navigate to <https://nodejs.org/en/download>, and click the Windows Installer.
2. Launch the installation, and use the default settings throughout the installation.

Installing and setting up Lemonade

1. Download Lemonade Server from <https://lemonade-server.ai/>.
2. Launch the installation, and use the default settings throughout the installation.
3. At the end of the installation, select the option to Run Lemonade Server now.
4. Wait 10 to 20 seconds for the Lemonade notification to pop up in the lower-right corner of the screen. Lemonade server is now running in the background.
5. If Lemonade isn't running, manually launch it through the Windows search bar.
6. In the taskbar, right-click the Lemonade icon, and select Open app.
7. In the search field in the left sidebar, type Qwen3.5
8. Select the download button of 4b version of the Qwen 3.5 model.
9. When the download completes, load the newly installed model Qwen3.5-4B-GGUF by clicking on the play icon next to the model name.

Installing and setting up AnythingLLM

1. Navigate to <https://anythingllm.com/desktop>, and click the Download for Windows (x64) link.
2. Launch the AnythingLLMDesktop executable, and use the default settings throughout the installation.
3. When the install is complete, launch AnythingLLM.
4. Select Get Started.
5. Under models, select manual setup.
6. For LLM providers, select Lemonade.
7. Enter `http://localhost:13305` for the Base URL.
8. Set the Model Context windows to 32000.
9. Select Qwen3.5-4B-GGUF and select the arrow on the right side of the screen.
10. Select the arrow on the right side of the screen again.
11. On the Welcome page, select Skip Survey.
12. Close any popups that may appear.

Setting up AnythingLLM Gmail app integration

1. Select Open settings.
2. On the left-hand side, click the Agent Skills setting.
3. Next to Gmail, click On.
4. In the Gmail Configuration window, enter your deployment ID and API key.
5. Click Save.

Setting up JIRA MCP in AnythingLLM

1. Select Open settings.
2. On the left-hand side, click the Agent Skills setting.
3. In the MCP Servers section, click on the wrench icon to open the MCP config file.
4. Copy and paste the following text to add JIRA MCP. Ensure that the JIRA MCP config file only includes text from below:

```
{
  "mcpServers": {
    "atlassian-mcp-server": {
      "command": "npx",
      "args": [
        "-y",
        "mcp-remote",
        "https://mcp.atlassian.com/v1/mcp"
      ]
    }
  }
}
```

5. Save and close the file.
6. Next to MCP Servers, click Refresh. If a popup occurs, click OK.
7. This will take you to the JIRA login page. Make sure to only have the “JIRA” app enabled.
8. Log into JIRA.
9. Click Accept to authorize the app and close the window.
10. Refresh if the server isn’t enabled yet. Otherwise, the JIRA MCP server connection should now be enabled.
11. If MCP server displays an error, click Refresh to prompt for login.

AI-enhanced workflow

1. Simultaneously start the timer and click the AnythingLLM logo to go back to chat.
2. Enter the following prompt:
Can you take a look at recent mexicat or cat related emails from customers and create tickets based on them. Check for duplicate tickets before making new ones.
3. Press Enter or select the Send prompt button, and wait for the agent response.
4. Stop the stopwatch when the agent has finished reviewing the emails and tickets and has determined that the emails contain info that is duplicative of existing tickets.
5. Record the results and repeat steps 1 through 4 two more times.

Manual workflow

1. Simultaneously start the stopwatch and log into Jira at <https://id.atlassian.com/login>.
2. In a new tab, log into Gmail.
3. Open any Mexicat-related emails on the side.
4. Read tickets, and determine if they are features or bugs.
5. Navigate to the Mexicat project workspace, and load the list of available tickets.
6. Conduct a high-level review of 55 tickets to determine if the information in the customer emails is duplicative of pre-existing tickets.

7. When the review of all 55 tickets has been completed, stop the stopwatch.
8. Record the results and repeat steps 1 through 7 two more times.

Updating a presentation

Installing and setting up Lemonade

1. Download Lemonade Server from <https://lemonade-server.ai/>.
2. Launch the installation, and use the default settings throughout the installation.
3. At the end of the installation, select the option to Run Lemonade Server now.
4. Wait 10 to 20 seconds for the Lemonade notification to pop up in the lower-right corner of the screen. Lemonade server is now running in the background.
5. If Lemonade isn't running, manually launch it through the Windows search bar.
6. In the taskbar, right-click the Lemonade icon, and select Open app.
7. In the search field in the left sidebar, type Qwen3.5
8. Select the download button of 9b-FLM version of the Qwen 3.5 model.
9. When the download completes, load the newly installed model Qwen3.5-9b-GGUF by clicking on the play icon next to the model name.

Installing and setting up AnythingLLM

1. Navigate to <https://anythingllm.com/desktop>, and click the Download for Windows (x64) link.
2. Launch the AnythingLLMDesktop executable, and use the default settings throughout the installation.
3. When the install is complete, launch AnythingLLM.
4. Select Get Started.
5. Under models, select manual setup.
6. For LLM providers, select Lemonade.
7. Enter `http://localhost:13305` for the Base URL.
8. Set the Model Context windows to 32000.
9. Select Qwen3.5-9b-GGUF, and select the arrow on the right side of the screen.
10. Select the arrow on the right side of the screen again.
11. On the Welcome page, select Skip Survey.
12. Close any popups that may appear.
13. Select Open Settings.
14. From the left bar, select Desktop Assistant, and ensure that Enable Desktop Assistant options is enabled.

Setting up PowerPoint

1. Launch PowerPoint.
2. Click Accept on the License Agreement.
3. Sign in with a Microsoft Account that has a valid license.
4. Close PowerPoint.
5. Relaunch PowerPoint.
6. In the navigation bar on the left side of the app window, click Open.
7. Click Browse.
8. Navigate to the mexicat_presentation.pptx file from the mexicat folder in the extracted folder, and open the file.

Setting up Word

1. Launch Word.
2. Click Accept the License Agreement.
3. Sign in with a Microsoft Account that has a valid license.
4. Close Word.
5. Relaunch Word.
6. In the navigation bar on the left side of the app window, click Open.
7. Click Browse.
8. Navigate to the Press Release_MexiCat Launch.docx file from the mexicat folder in the extracted folder, and open the file.

AI-enhanced workflow

1. Open slide-2 – Key Objectives of the mexicat_presentation ppt and the Press Release_MexiCat Launch Word document in side-by-side windows.
2. Click CTRL + / to open the AnythingLLM Desktop Assistant, and click on the + icon.
3. Select the display that has the ppt and Word document opened side by side.
4. Simultaneously start the timer and enter the following prompt:

Can you provide actual Social media Ads ideas each in one line targeted for the market share that solves the pain point of the consumers?

5. Wait for the assistant to provide a response.
6. Copy the answer, and paste the text in the relevant place in slide-2 (Key Objectives) of the ppt.
7. Navigate to slide 3 – Target Market of the ppt, and select the + icon on the bottom of the AnythingLLM assistant.
8. Enter the following prompt:
Update the Target Market Slide details with 3-5 polished audience bullets.
9. Wait for the assistant to provide a response.
10. Copy the answer, and paste the text in the relevant place in slide 3 – Target Market of the ppt.
11. Navigate to slide 5 – About Us of the ppt, and select the + icon on the bottom of the AnythingLLM assistant.
12. Enter the following prompt:
Replace the founder description text in 2 paragraphs with a short company intro in 2 paragraphs.
13. Wait for the assistant to provide a response.
14. Copy the answer, and past the text in the relevant place in slide 5 – About Us of the ppt.
15. Navigate to slide 6 Key Company Details of the ppt, and select the + icon on the bottom of the AnythingLLM assistant.
16. Enter the following prompt:
Can you provide key details for the company in 3-4 bullet points to put in the slide?
17. Wait for the assistant to provide a response.
18. Copy the answer, and paste the text in the relevant place in slide 6 (Background) of the ppt.

19. Navigate to slide 7 – Background of the ppt and select the + icon on the bottom of the AnythingLLM assistant.
20. Enter the following prompt:
Can you provide details for Feed Phippen Food in few words in similar tone to put into the slide?
21. Wait for the assistant to provide a response.
22. Use the answer to update slide 7 - Background of the ppt.
23. Navigate to slide 8 – Key Findings of the ppt, and select the + icon on the bottom of the AnythingLLM assistant.
24. Enter the following prompt:
In Key Findings, replace the percentage callouts and commentary with marketing-style metric explanations.
25. Wait for the assistant to provide a response.
26. Use the answer to update slide 8 – Key Findings.
27. Navigate to slide 9 – Demographics of the ppt, and select the + icon on the bottom of the AnythingLLM assistant.
28. Enter the following prompt:
Can you provide details for Cat Owners in few words in similar tone to put into the slide?
29. Wait for the assistant to provide a response.
30. Use the answer to update slide 9 – Demographics.
31. Navigate to slide 11 – Executive Summary of the ppt, and select the + icon on the bottom of the AnythingLLM assistant.
32. Enter the following prompt:
Executive Summary: Change the tone and words for the current objectives with sharp business-value ones.
33. Wait for the assistant to provide a response.
34. Use the answer to update slide 11 – Executive Summary.
35. Simultaneously stop the stopwatch and save the presentation as updated_mexicat_presentation.pptx.
36. Record the results, and repeat steps 1 through 35 two more times.

Manual workflow

1. Launch Microsoft PowerPoint.
2. Open the mexicat_presentation ppt, and the Press Release_MexiCat Launch Word document in side-by-side windows.
3. Verify that PowerPoint loads successfully and displays the slide thumbnails on the left panel.
4. Verify that Word opens and displays the product and company information.
5. Ensure both applications are visible simultaneously.
6. Navigate to slide-2 Key Objectives of the mexicat_presentation.ppt.
7. Simultaneously start the stopwatch and click inside the textbox where social media advertisement ideas will be entered in slide-2 of the ppt.
8. Switch to the Word document by clicking on the Word window.
9. Scroll through the Word document using the mouse wheel or scroll bar to locate sections describing:
 - Product features
 - Customer pain points

- Market needs

10. Carefully read the information to understand the messaging and value proposition.
11. Think of relevant social media advertisement ideas based on the information read.
12. Click back into the PowerPoint window.
13. Manually type each advertisement idea on a separate line in the slide-2 text box.
14. Review the typed text for spelling, grammar, and formatting consistency.
15. Click on slide-3 Target Market in the PowerPoint slide pane.
16. Click inside the content area of the slide.
17. Switch to the Word document window.
18. Scroll to the section describing the target audience or customer demographics.
19. Read the information carefully to identify the primary customer groups.
20. Manually determine the most relevant audience characteristics.
21. Switch back to PowerPoint.
22. Type 3-5 bullet points summarizing the target market.
23. Adjust formatting to ensure consistent bullet alignment and spacing.
24. Click on Slide 5 – About Us in the PowerPoint slide pane.
25. Select the existing text in the description area.
26. Press Delete on the keyboard to remove the old content.
27. Switch to the Word document.
28. Scroll to the company description or organizational background section.
29. Read the content thoroughly to understand the company's mission and positioning.
30. Manually rewrite the information into a concise company introduction.
31. Switch back to PowerPoint.
32. Type the rewritten company introduction as two short paragraphs.
33. Review the text to ensure clarity, tone, and grammar accuracy.
34. Click on Slide 6 – Key Company Details in the slide pane.
35. Click inside the bullet point content area.
36. Switch to the Word document.
37. Locate the section containing company highlights or operational details.
38. Read the information carefully.
39. Identify the most important company facts or differentiators.
40. Switch back to PowerPoint.
41. Type 3–4 bullet points summarizing the key company details.
42. Adjust formatting to maintain consistent font size and bullet style.
43. Click on Slide 7 – Background in the slide pane.
44. Click inside the content area of the slide.
45. Switch to the Word document.
46. Scroll to the section describing Feed Pippin Food or related product background.
47. Read the information carefully.
48. Summarize the information manually into a short description.
49. Switch back to PowerPoint.
50. Type the summarized description into the slide.
51. Ensure the tone matches the style used in previous slides.
52. Click on Slide 8 – Key Findings in the slide pane.

53. Click inside the text area containing statistical information.
54. Switch to the Word document.
55. Locate the section containing statistics, percentages, or performance data.
56. Carefully review the numerical information.
57. Interpret the meaning of the data manually.
58. Think about how to present the information in marketing-style language.
59. Switch back to PowerPoint.
60. Rewrite the content using clear, business-focused metric explanations.
61. Verify the accuracy of the numbers and wording.
62. Click on Slide 9 – Demographics in the slide pane.
63. Click inside the content area.
64. Switch to the Word document.
65. Scroll to the section describing cat owner demographics.
66. Read the demographic characteristics carefully.
67. Identify key traits such as age group, lifestyle, or purchasing behavior.
68. Switch back to PowerPoint.
69. Type a concise demographic description in a consistent tone.
70. Review formatting and readability.
71. Click on Slide 11 – Executive Summary in the slide pane.
72. Click inside the objectives section of the slide.
73. Read the current objectives displayed on the slide.
74. Think about how to strengthen the wording using business-oriented language.
75. Manually rewrite the objectives to emphasize value and outcomes.
76. Type three concise business-value objectives into the slide.
77. Review the text for clarity and professional tone.
78. Simultaneously stop the timer and save the presentation as updated_mexicat_presentation.pptx.
79. Record the results and repeat steps 1 through 78 two more times.

Managing client communication and scheduling meetings

Initial setup

1. Download and extract the workflow folder to the C drive.
2. If the folder is already extracted, move it to the C drive.
3. Do not modify or rename any files.
4. Follow timing instructions when noted.

Installing Adrenalin

1. Go to <https://www.amd.com/en/support/download/drivers.html>.
2. Click Download Windows Drivers.
3. Open the downloaded executable.
4. Click Accept & Express Install.
5. Wait for installation to complete.
6. Restart the system when prompted.

Lemonade Server

Installation

1. Download Lemonade Server from <https://lemonade-server.ai/>.
2. If the Windows protected your PC popup appears, click More info.
3. Click Run anyway.
4. Proceed through installation using default options.
5. Ensure Run Lemonade Server now is checked.
6. Wait 10 to 30 seconds for Lemonade to start.

Changing context size to 16K

1. Open the system tray.
2. Click the Lemonade icon.
3. Set Context Size to 16k.
4. Confirm the update notification appears.

Downloading and loading models

1. Open the system tray, and click the Lemonade icon.
2. Click Open app.
3. Search for Qwen3-4B-Instruct-2507-GGUF.
4. Click Download.
5. Wait for the download to finish.
6. Close the download popup.
7. Load the model.
8. Repeat the steps to download and load Qwen3-Embedding-0.6B-GGUF.
9. Ensure both models show as loaded.
10. Minimize or close the app.

Node.js

Installation

1. Go to <https://nodejs.org/en/download>.
2. Click Windows Installer (.msi).
3. Open the installer.
4. Proceed through installation without modifying any options.

Verification

1. Open a terminal window.
2. Enter: `node --version`
3. Confirm version output appears.
4. If an error occurs, restart the system.
5. After restarting, start Lemonade Server again.

6. Close the terminal.

Azure

Registering the application

1. Sign up or log in at <https://azure.microsoft.com/en-us/>.
2. Search for App registrations.
3. Click New Registration.
4. Enter an application name.
5. Select Accounts in any organizational directory and personal Microsoft accounts.
6. Set Redirect URI to: <http://localhost:5678/rest/oauth2-credential/callback>
7. Click Register.

Storing the client ID

1. On the app overview page, copy the Client ID.
2. Store it in a text file.

Creating the client secret

1. Click Certificates & secrets.
2. Under Client secrets, click + New client secret.
3. Enter a description.
4. Click Add.
5. Wait for the key to generate.

Storing the client secret

1. Copy the Value of the new secret.
2. Store it in a text file.
3. Ensure both Client ID and Client Secret are available for later steps.

Outlook

Setup

1. Open Outlook.
2. Log in with the account used for sending and receiving workflow emails.
3. Open To Do from the left sidebar.
4. Review the interface.

n8n

Installation

1. Navigate to the n8n folder inside the extracted AMDTest directory.
2. Open the installation file.
3. Wait 2 to 3 minutes for package installation.

4. Refresh the browser page if needed.

Signup

1. Access n8n at <http://localhost:5678>.
2. Sign up using any email address.
3. Skip customization by clicking Get Started.

Activation

1. Accept the free license key.
2. Check email for activation message.
3. Click Activate License Key.
4. Confirm registration.

Importing the workflow

1. Return to the home page.
2. Click Start from scratch.
3. Click the ... button.
4. Select Import from File...
5. Navigate to C:\AMDtest\n8n.
6. Select n8n-workflow-power_user-2.1.json.

Fixing nodes

Lemonade Chat

1. Open the Lemonade Chat Model node.
2. Click Create new credentials.
3. Click Save.
4. Confirm successful connection.
5. Close the node.

Microsoft Outlook Trigger

1. Open the node.
2. Create new credentials.
3. Enter the Client ID and Client Secret from Azure.
4. Click Connect my account.
5. Log in with the Outlook account.
6. Accept agreements.
7. Close the popup.
8. Reopen the node if errors appear.
9. Recreate filters manually if needed.
10. Close the node.

Creating a task

1. Open the node.
2. Create new credentials.
3. Enter Client ID and Client Secret.
4. Click Connect my account.
5. Log in with the same Outlook account.
6. Reopen the node if errors appear.
7. Select Tasks under List Name or ID.
8. Close the node.

Creating folders

1. Open the node.
2. Confirm that there are no errors.
3. Close the node.

Getting inbox folder

1. Open the node.
2. Select the previously created Outlook credential.
3. Close the node.

Searching for children folders

1. Open the node.
2. Confirm no errors.
3. Close the node.

Validation

1. Confirm all nodes show no errors.

Saving and publishing workflow

2. Click Save in the upper-right corner.
3. Confirm notification appears.
4. Click Publish.
5. Confirm version.
6. Close popups.

Setting up RAG

1. Click the drop-down menu near Execute workflow.
2. Select from Upload your client information here.
3. Click Execute workflow.
4. Click Choose Files.
5. Navigate to C:\AMDtest\.

6. Select MexiCat_Project_Content.docx.
7. Click Submit.
8. Confirm Workflow executed successfully.

Validation

1. Confirm the workflow is saved and published.

AI-enhanced workflow

Identifying high-priority messages

2. Set Timer – Start.
3. Log into a separate email account.
4. Send an email to the Outlook account.
5. Open n8n.
6. Click Executions.
7. Review execution metrics.
8. Open Logs to view node input and output.
9. Wait for the workflow to complete.
10. Open Outlook.
11. Check the High subfolder.
12. Open To Do to view the assigned task.

Identifying normal-priority messages

1. Send a new email.
2. Wait for workflow execution to complete.
3. Check Outlook for the response.
4. Check To Do for the generated task.

Identifying spam/non-reply emails

1. Send a new email.
2. Invalid emails will be moved to the Notification subfolder.

Identifying low-priority messages

1. Send a new email.
2. Wait for workflow execution to complete.
3. Check Outlook for the response.
4. Check To Do for the generated task.
5. Set Timer – Stop.

Manual workflow

1. Set Timer – Start.
2. Read new unread emails.

3. Classify each email as high, normal, or low priority.
4. Send an acknowledgment email including expected response time:
 - a. High: within 2 hours
 - b. Normal: within 2 business days
 - c. Low: within 7 business days
5. Write a title and description for a task.
6. Create a task in the To Do app.
7. Attach the email to the task.
8. Set Timer – Stop.

Testing productivity while simultaneously running a large language model

Setting up Lemonade

1. Download and install Lemonade Server from <https://lemonade-server.ai/>.
2. Launch Lemonade Server.
3. If you don't see Lemonade in Taskbar, go to Settings> Personalization> Taskbar>Under "other system tray icons", turn on Lemonade (Named – Python). Then, it will appear in Taskbar.
4. If this is your first run, right-click the Lemonade icon in your taskbar, and select Model Manager.
5. In the BY RECIPE panel, click the llama.cpp category. Scroll down to gpt-oss-20b-mx4p4-GGUF, and download it.
6. In the BY RECIPE panel, click the FastFlowLM NPU category. Scroll down to Llama-3.2-3B-FLM, and download it.

Setting up Procyon

1. Buy, download, and install Procyon from <https://benchmarks.ul.com/procyon/office-productivity-benchmark>.
2. Open it, log in, and provide a license key.

Setting up workflow prerequisites

1. Go to Microsoft Store, download Python 3.13, and install it.
2. Open terminal, and run this command to install openai:

```
pip install openai
```

AI NPU-enhanced workflow

1. Run Windows PowerShell with administrator access and run this command:

```
Set-ExecutionPolicy RemoteSigned
```
2. Launch Teams, and log in with your account.
3. Click the Meet tab on the left side, click Create a meeting link, and click Create and copy link.
4. In the Meeting links section, click Join, and make sure the camera is turned on.
5. In the Backgrounds section, click Video effects, and choose any option.
6. Turn the microphone off, and click Join now.
7. Minimize Teams.
8. Launch Lemonade server.
9. Open terminal and run:

```
python .\C:\AMDTTest\Teams_Meeting\lemonade3.py
```

(In some cases, you'd have to use "py" instead of "python" in the command.)

10. Minimize the terminal.
11. In the Teams_Meeting folder of the extracted AMDTest folder, select the Procyon_loops_then_export_PDF.ps1 file, right-click, and select Run with PowerShell.
12. Enter the path to store the benchmark result to, and click Enter.
13. Enter the number of times you want the benchmark to run (i.e. 5), and click Enter.
14. Enter the base filename for the result PDF, and click Enter.
15. Wait for the benchmark to finish.

AI GPU-enhanced workflow

1. Run Windows PowerShell with administrator access and run this command:
`Set-ExecutionPolicy RemoteSigned`
2. Launch Teams, and log in with your account.
3. Click the Meet tab on the left side, click Create a meeting link, and click Create and copy link.
4. In the Meeting links section, click Join, and make sure the camera is turned on.
5. In the Backgrounds section, click Video effects, and choose any option.
6. Turn the microphone off, and click Join now.
7. Minimize Teams.
8. Launch Lemonade server.
9. Open terminal and run:
`python .\C:\AMDTest\Teams_Meeting\lemonade2.py`
(In some cases, you'd have to use "py" instead of "python" in the command.)
10. Minimize the terminal.
11. In the Teams_Meeting folder of the extracted AMDTest folder, select the Procyon_loops_then_export_PDF.ps1 file, right-click, and select Run with PowerShell.
12. Enter the path to store the benchmark result to, and click Enter.
13. Enter the number of times you want the benchmark to run (i.e. 5), and click Enter.
14. Enter the base filename for the result PDF, and click Enter.
15. Wait for the benchmark to finish.

ABOUT PRINCIPLED TECHNOLOGIES



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