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ParisNeo committed on Jan 1

feat: add authentication dependencies to file endpoints and enhance image upload validation

- Import PIL Image for image verification.
- Require `current_user` via `get_current_active_user` in:
 - `/extract-text`
 - `/export-markdown`
 - `/export-content`
- Implement strict MIME type whitelist and content verification using PIL in `upload_chat_image`.
- Improve filename handling with UUID prefix to avoid collisions.

main

1 parent [89bbd18](#) commit a6625dc

1 file changed +30 -6 lines changed

↑ Top ⚙️

Filter files...

backend/routers

files.py

1 file changed +30 -6 lines changed

Search within code ⚙️

backend/routers/files.py

```

@@ -25,7 +25,7 @@
25 25  from docx.oxml import parse_xml
26 26  from docx.oxml.ns import qn
27 27  from latex2mathml.converter import convert as latex2mathml
28  -
+ 28  + from PIL import Image
29 29

```

```

30 30 # Try to import optional document parsing libraries
31 31 try:
  @@ -230,7 +230,8 @@ def extract_text_from_file_bytes(file_bytes: bytes,
  filename: str, extract_image
230 230
231 231 @files_router.post("/extract-text")
232 232 async def extract_text_from_file(
233 -     file: UploadFile = File(...)
233 +     file: UploadFile = File(...),
234 +     current_user: UserAuthDetails = Depends(get_current_active_user)
234 235 ):
235 236     """
236 237     Extracts text content from a single uploaded file.
  @@ -247,7 +248,8 @@ async def extract_text_from_file(
247 248 @files_router.post("/export-markdown")
248 249 async def export_as_markdown(
249 250     content: str = Form(...),
250 -     filename: str = Form("export.md")
251 +     filename: str = Form("export.md"),
252 +     current_user: UserAuthDetails = Depends(get_current_active_user)
251 253 ):
252 254     """
253 255     Accepts text content and returns it as a downloadable Markdown file.
  @@ -637,7 +639,10 @@ def html_wrapper(html_body: str, title: str = "Export")
  -> bytes:
637 639     return f"<html><head><meta charset='utf-8'><title>{title}</title></head>
  <body>{html_body}</body></html>".encode("utf-8")
638 640
639 641 @files_router.post("/export-content")
640 - async def export_content(payload: ContentExportRequest):
642 + async def export_content(
643 +     payload: ContentExportRequest,
644 +     current_user: UserAuthDetails = Depends(get_current_active_user)
645 + ):
641 646     export_format = payload.format.lower()
642 647     setting_key_format = 'markdown' if export_format == 'md' else export_format
643 648     setting_key = f"export_to_{setting_key_format}_enabled"
  @@ -810,10 +815,29 @@ async def upload_chat_image(

```

```
810 815 """Handles image uploads specifically for attaching to a chat message
before sending."""
811 816 temp_path = get_user_temp_uploads_path(current_user.username)
812 817 uploaded_files = []
818 +
819 + # Allowed mime types set for quick lookup
820 + ALLOWED_MIME_TYPES = {"image/jpeg", "image/png", "image/gif", "image/webp",
"image/bmp", "image/tiff"}
821 +
813 822 for file in files:
814 -     if not file.content_type.startswith("image/"):
815 -         raise HTTPException(status_code=400, detail="Only image files are
allowed.")
823 +     # 1. Content-Type Header Check
824 +     if file.content_type not in ALLOWED_MIME_TYPES:
825 +         raise HTTPException(status_code=400, detail=f"Invalid file type:
{file.content_type}. Only images are allowed.")
816 826
827 +     # 2. Content Verification using PIL
828 +     try:
829 +         file.file.seek(0)
830 +         img = Image.open(file.file)
831 +         img.verify() # Verify integrity
832 +
833 +         # Check format (normalize to upper case)
834 +         if img.format.upper() not in ["JPEG", "PNG", "GIF", "WEBP", "BMP",
"TIFF"]:
835 +             raise HTTPException(status_code=400, detail="Unsupported image
format.")
836 +
837 +         file.file.seek(0) # Reset pointer
838 +     except Exception:
839 +         raise HTTPException(status_code=400, detail="Invalid or corrupted
image file.")
840 +
817 841 s_filename = secure_filename(file.filename)
818 842 # Use a more unique name to avoid collisions
819 843 unique_filename = f"{uuid.uuid4().hex[:8]}_{s_filename}"
```



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