

```
from urllib.parse import urlparse, parse_qs  
  
def get_canvas_image_preview_url(download_url: str, course_id: int) -> str:
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"""
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Given a Canvas file download URL and course ID,
returns the preview URL usable for embedding the image.

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"""
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```
# Parse the URL to extract the file ID  
parsed_url = urlparse(download_url)  
  
# The file ID is the second path segment in /files/{file_id}/download  
path_parts = parsed_url.path.split('/')  
  
# path example: ['', 'files', '12716411', 'download']  
if len(path_parts) < 4 or path_parts[1] != 'files':  
    raise ValueError("Invalid Canvas file download URL format")  
file_id = path_parts[2]
```