

log4net

August 17, 2026

log4net

Kind: Service

Source: Pams/Logic/Pams.Email/Pams.Email.csproj (line 1)

Part of: Pams

NuGet package dependency

log4net is a NuGet package dependency in Pams.Email that writes application log events from the email component. It supports recording errors, operational messages, and diagnostic context while email processing runs.

Diagram

```
flowchart LR
    Client[JavaScript client] --> EmailApi[Email API]
    EmailApi --> EmailService[Pams.Email service]
    EmailService --> Log4Net[log4net]
    Log4Net --> LogOutput[Configured log output]
    EmailService --> MailProvider[Mail provider]
```

Usage

```
async function sendEmail(message: {
  to: string;
  subject: string;
  body: string;
}) {
  const response = await fetch("/api/email/send", {
    method: "POST",
    headers: {
      "Content-Type": "application/json",
    },
    body: JSON.stringify(message),
  });
}
```

```
if (!response.ok) {  
    const error = await response.text();  
    console.error("Email request failed:", error);  
    throw new Error(error);  
}  
  
return response.json();  
}
```

AI Coding Instructions

- Keep `log4net` usage within the .NET email service; JavaScript clients should call the email API rather than reference the NuGet package.
- Log failures with enough request and email context to diagnose issues, but do not log email bodies, credentials, tokens, or sensitive recipient data.
- Follow the existing `log4net` configuration and logger naming patterns in the `Pams.Email` project.
- Record exceptions before returning an error response so mail-provider failures are available in configured log output.