

# Rate Limiting Configuration

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## Current Settings (v0.5.1)

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- **Limit:** 100 requests per IP address
- **Window:** 5 minutes
- **Reset:** Automatic after window expires

## Implementation

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- Location: `lib/staging-auth.ts` - `isRateLimited()` function
- Middleware: `middleware.ts` - Applied before stakeholder auth check
- Storage: In-memory Map (production should use Redis)

## Response Headers

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When rate limited (429 status):

- `Retry-After` : 300 seconds (5 minutes)
- `X-RateLimit-Limit` : 100
- `X-RateLimit-Remaining` : 0
- `X-RateLimit-Reset` : Timestamp when limit resets

## Troubleshooting

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If users report “Too Many Requests” errors:

1. Check if limits are too aggressive for normal usage
2. Consider exempting certain paths (e.g., `/staging-auth` )
3. Implement user-based limiting instead of IP-based for authenticated users
4. Use Redis for production to share limits across instances

## Recent Changes

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- **2025-07-06:** Increased from 10 requests/15min to 100 requests/5min (hotfix for Sam’s access issue)