**Configuring MTA-STS Using Cloudflare Workers**  
  
**NB!!!  
Any time the MX records are changed, this policy will need to be updated  
The MX entry in the Cloudflare worker will need to be updated (Step 8), and the TXT record from step 20 will need to be updated if any changes are made.**

1. Sign into Cloudflare
2. Click “Workers and Pages”
3. Click “Create Application”
4. Click “Create Worker”
5. Specify the name as domain-tld-mta-sts
   1. E.g. cloudboxtech-com-mta-sts
6. Click “Deploy”
7. Click “Edit Code”
8. Clear the contents of the code-block window, and replace with the below:  
     
   ***async function handleRequest(request) {***

***const init = {***

***headers: {***

***'content-type': 'text/plain;charset=UTF-8'***

***},***

***}***

***return new Response(stsHTML, init)***

***}***

***addEventListener('fetch', event => {***

***return event.respondWith(handleRequest(event.request))***

***})***

***const stsHTML = `version: STSv1***

***mode: enforce***

***mx: vandaxasset-com.mail.protection.outlook.com***

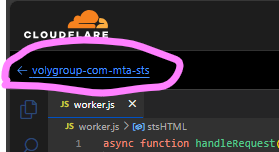
***mx: mx2-eu1.ppe-hosted.com***

***mx: mx1-eu1.ppe-hosted.com***

***max\_age: 604800***

***`***

* 1. **Substitute the highlighted MX entry for the Office 365 endpoint for that domain, and any other Mail Security Gateway MX servers.**

1. Click “Deploy”
2. Click “Save and Deploy”
3. Click the back arrow above the code block  
   
4. Click “Settings”
5. Under “Domains & Routes”
   1. Click “+ Add”
   2. Click “Custom Domain”
   3. Type mta-sts.domain.com
   4. Click “Add domain”
6. Under Domains & Routes”
   1. Click “+ Add”
   2. Click Route
   3. Select the Domain from the “Zone” Dropdown
   4. Type “mta-sts.domain.com/.well-known/mta-sts.txt”
   5. Click “Add route”
7. Click “Websites” on the left-hand menu
8. Search for the domain you’re currently working on
9. Click the domain
10. Click “DNS” on the left-hand menu
11. For the first DNS Record:
    1. Click “Add Record”
    2. Set record type to “TXT”
    3. Set name to \_smtp.\_tls
    4. Set content to v=TLSRPTv1; rua=mailto:smtptls@domain.tld
    5. Click “Save”
12. For 2nd DNS Record
    1. Click “Add Record”  
       Set record type to “TXT”
    2. Set name to \_mta-sts
    3. Set content to v=STSv1; id=YYYYMMDD
       1. E.g. v=STSv1; id=20240516
    4. Click “Save”
13. Go to [MTA-STS validator - Mailhardener tools](https://www.mailhardener.com/tools/mta-sts-validator)
14. Type in the name of the domain you were working on
15. Click “Inspect”
16. You should get the below output, bear in mind that delays in DNS propagation can cause this to fail.  
    A close-up of a computer screen

    Description automatically generated
17. If this fails, try again in about 30 mins
18. If this still fails afterwards, troubleshooting can be done based on the outcome of this test.