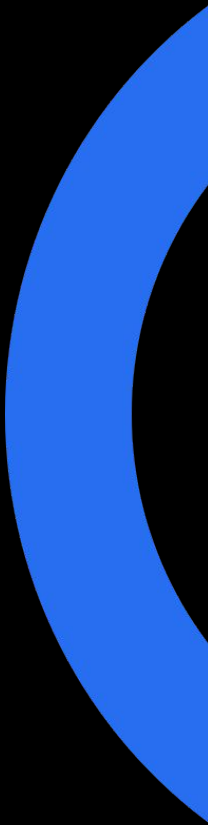


# Isomer Infrastructure Migration briefing

10, 17, 21, 22 August 2023

**This briefing is meant for  
CMS-compliant sites.**

**Non-CMS-compliant sites will be contacted in mid to  
end-September for migration**

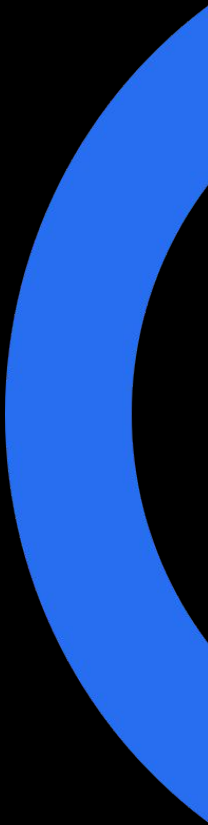


# Agenda

1. *Addressing the Circular Minute*<sup>1</sup> on raising Internet Hygiene
2. Isomer site infrastructure migration
3. Upcoming upgrades to the IsomerCMS
4. Actionables by agencies
5. Questions and Answers (all Q&As will be answered at the end)

<sup>1</sup>PMO (SNDGO) Circular Minute No. 2/2023: Raising Internet Hygiene Across Whole of Government Digital Services and Email Systems

*Addressing the*  
**Circular Minute on raising  
Internet Hygiene**



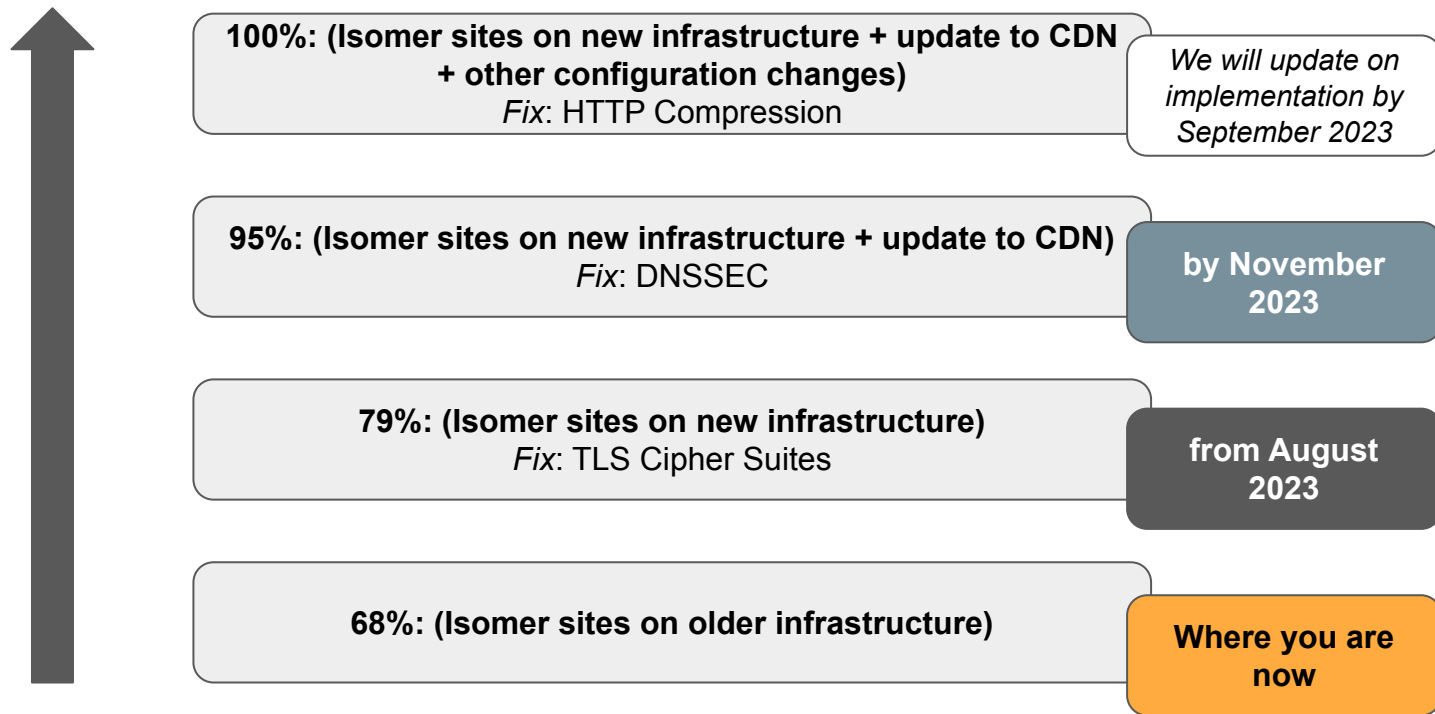
# Key points from the Circular Minute

1. Agencies in general are required to **attain 100%** on the Cybersecurity Agency of Singapore (CSA)'s Internet Hygiene Portal (IHP)
2. **Deadline for most domains: 2nd November 2023, otherwise 2nd February 2024**
  - a. Inability to comply by the deadline requires agencies to submit a **Internet Security Remediation Plan** to the IM8 Secretariat
3. **As of today, Isomer sites cannot attain 100% on the IHP, and as a product, we will help you to comply to the Circular Minute.**
  - a. Should, for whatever reasons, the Isomer team is unable to get Isomer sites up to 100%, the Isomer team will do the necessary follow-ups

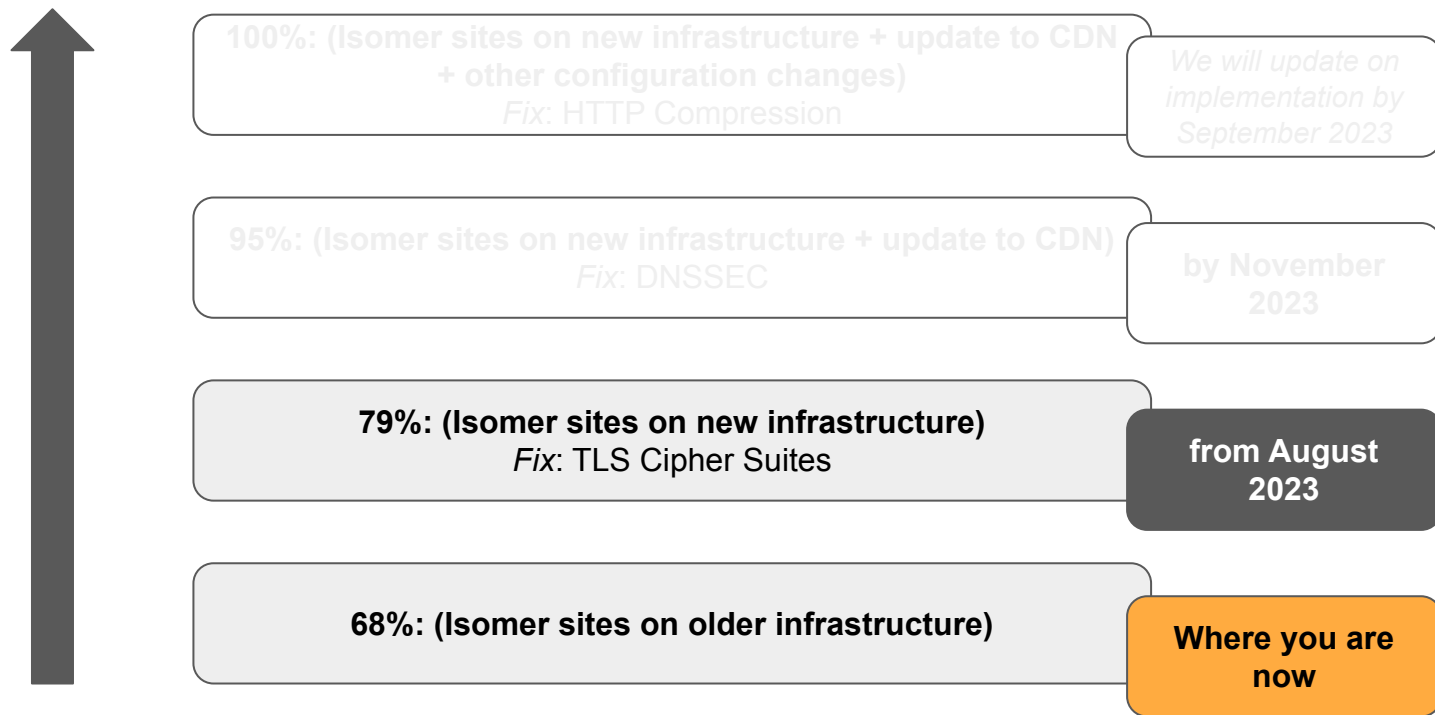
# **Isomer site infrastructure migration**



# Getting Isomer sites to attain 100% on CSA IHP

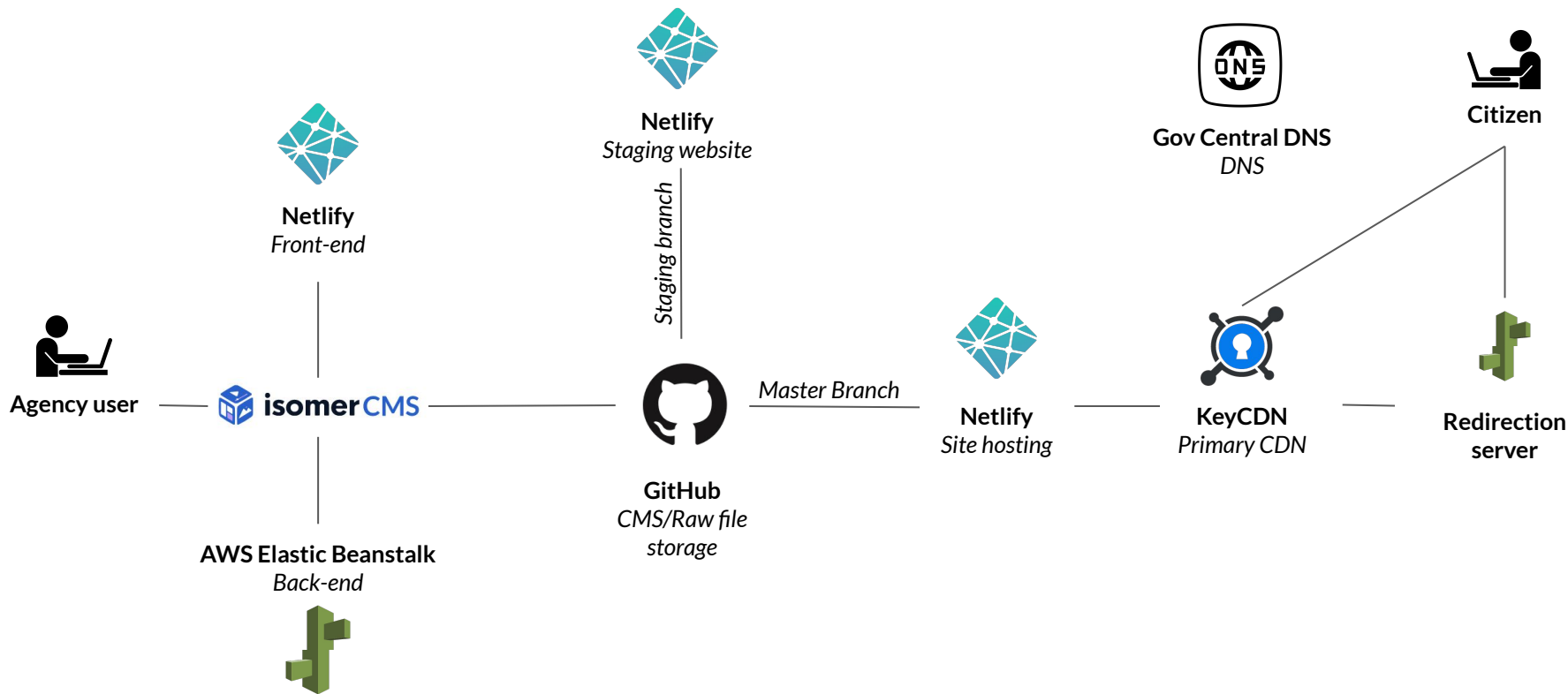


# Immediate next steps

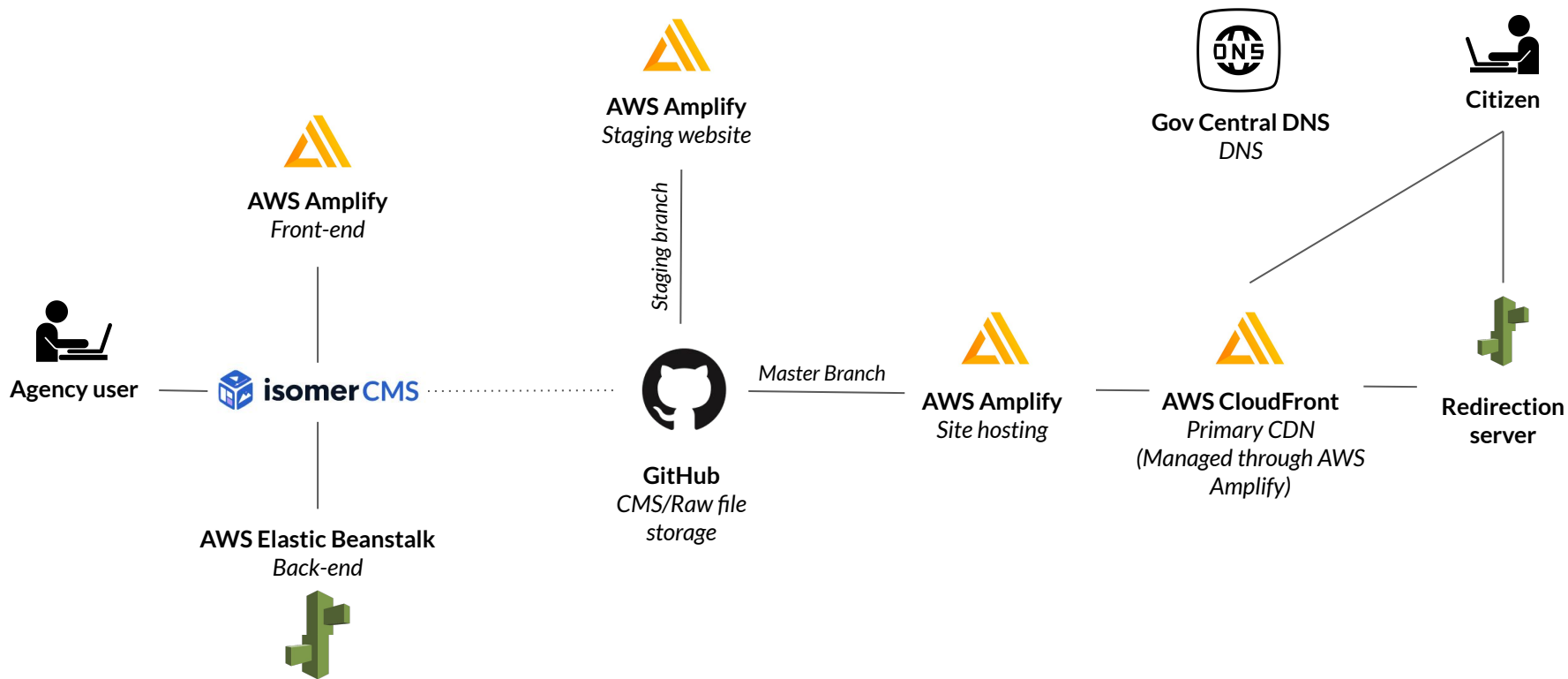




## Currently: Isomer Infrastructure 2.0 (with IsomerCMS)



## After migration: Isomer Infrastructure 3.0 (with IsomerCMS)



# Overview: 4 steps in the infrastructure migration

## 1. Staging Site migration:

Verify that everything in your Staging sites are working

Whilst the Isomer team has, on a best effort basis, ensured that each site migration to new infra to not cause any breaking issues, **the responsibility is on you to verify that nothing is broken on your site.**

## 2. Report or confirm Staging Sites:

If no issues to report:

You will **confirm via a form** (which will be sent to you on Day 1) to proceed on with Production site migration.

If have issues to report:

You will **confirm via a form** (which will be sent to you on Day 1) to report on issues for rectification

## 3. Prepare for Production Site migration:

At least 24 hours before Production site migration:

Modify DNS records' TTL to 5 minutes for fast propagation of new DNS records and reduce possibility of downtime

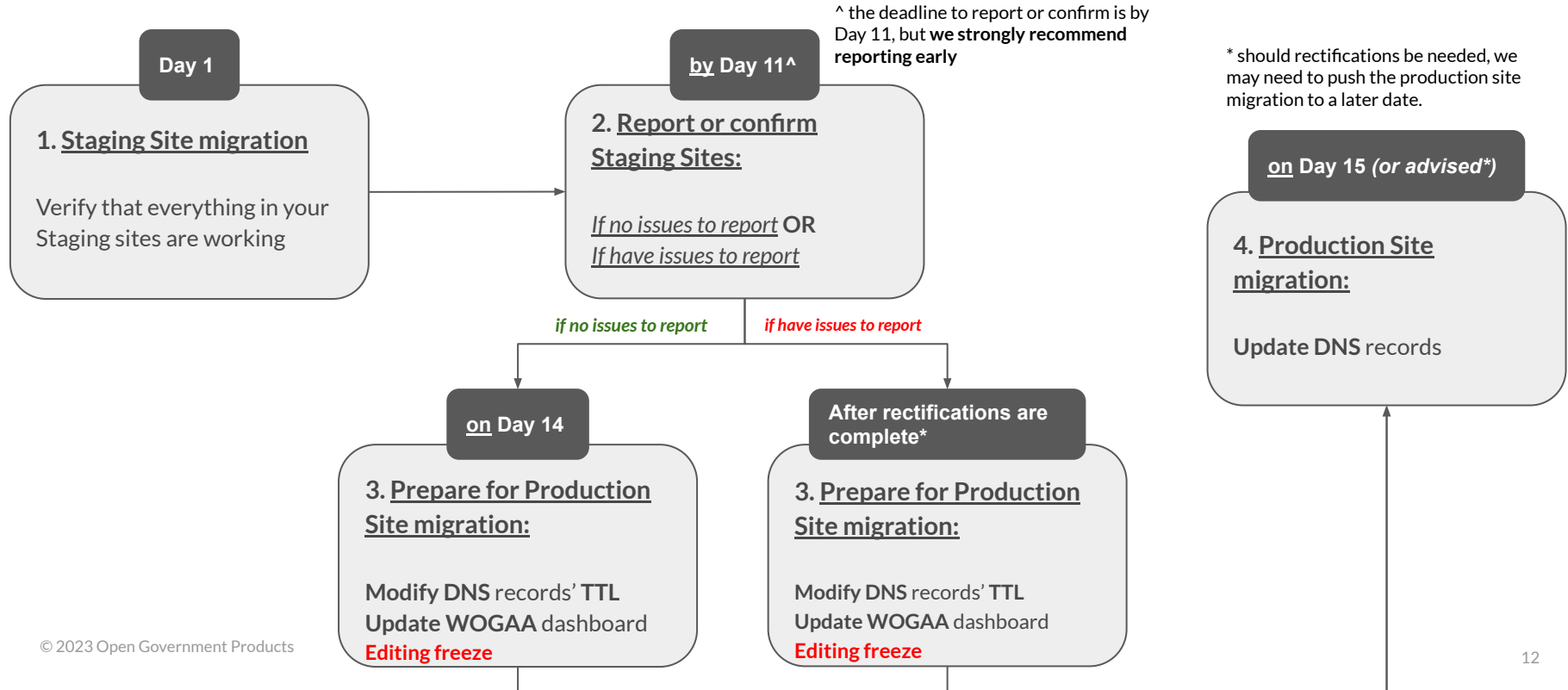
Update your WOGAA dashboard of possible downtime of 2 hours (date and time to be advised by the Isomer team)

**Editing freeze from EOD to production site is migrated:  
All Pull Requests must be merged or closed.**

## 4. Production Site migration:

Update DNS records to point to the new CDN (which runs on the new infrastructure)

# Timeline: 4 steps in the infrastructure migration



# Production Site migration: DNS records sample

## Domain verification CNAME record

### **Source:**

\_c23f530f20f8df697631ebf612e91f  
31.yoursitename.gov.sg

### **Target:**

\_a10c899a62428b57890858f2ff7131  
e9.sggfvksfyf.acm-validations.a  
ws

This is the record that you will need  
to add

## www (or 4th-level domain) CNAME record

### **Source:**

www.yoursitename.gov.sg

### **Target:**

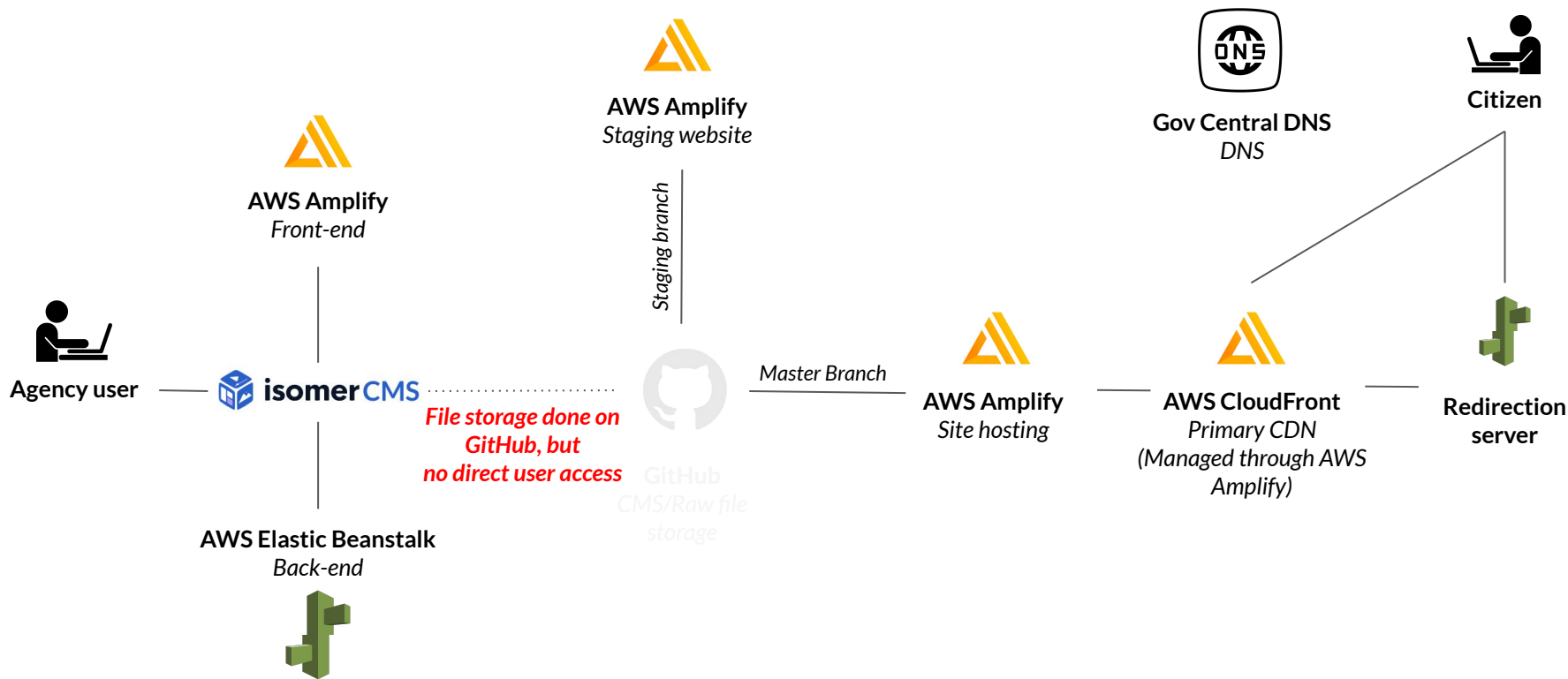
d2lriv0abcplo2.cloudfront.net

This is the record that you will need  
to update

# **Upcoming upgrades to the IsomerCMS**



We will be removing access to the underlying GitHub repository by Q4 2023.



# Enforcing an IsomerCMS-only experience

## Improved access control posturing

1. Agencies no longer need to depend on GitHub accounts for user authentication (**use WOG email + OTP instead**)
2. Agencies can self-manage site editor permissions (**better control of site permissions**)

## Improved user and ITD experience

1. Users need not create GitHub and go through the difficult GitHub-IsomerCMS onboarding process (**better onboarding experience**)
2. Pull Request done within IsomerCMS (**no more complicated flow on GitHub**)
3. **Guaranteed roll-out of new Isomer and IsomerCMS features**  
(hint: we'll be rolling out new homepage components in Q1-Q2 2024, and staging site privatisation in Q3-Q4 2023)



# Known impact on agencies

## 1. Edits are to be made only within the IsomerCMS

- a. Agencies are actually supposed to edit their sites via the IsomerCMS only

## 2. Direct edits on the underlying GitHub repository is not going to be possible

- a. Agencies are to remove any self-added content/files found in the underlying GitHub repository that's not editable on the IsomerCMS
  - i. The Isomer team will not be supporting any request to edit such content/files once agencies lose GitHub access.

**Actionables by agencies**



# Summary: Actionables by agencies

1. **Select** your site's migration kickstart date: [go.gov.sg/isomermigrationselection](https://go.gov.sg/isomermigrationselection)
  - a. 10 sites will be migrated every Tuesday from 22nd August 2023
  - b. **Deadline: 5th October 2023**
2. **Special for 10th August briefing:**
  - a. We have a special migration for 5 sites on 15th August 2023
  - b. Book here if you are interested: [go.gov.sg/isomermigrationspecial](https://go.gov.sg/isomermigrationspecial)
3. **Further instructions on next steps will be communicated after the Staging Site migration**
4. **Update contact details for sites**
  - a. We'll send all updates w.r.t to the site's migration to users that have access to the Isomer site
  - b. If you need to be looped in: fill up the form here: [go.gov.sg/isomermigrationcontactupdate](https://go.gov.sg/isomermigrationcontactupdate)

# Questions and Answers



# Questions and Answers

1. Please use the raise hand function to ask any questions, we will prompt you to ask your question when it's your turn. (preferred and prioritised)
  - a. We request that your camera to be on when asking questions
2. Alternatively, you can type in your questions in the chat box.



# OPEN GOVERNMENT PRODUCTS

FOR MORE DETAILS

[support@isomer.gov.sg](mailto:support@isomer.gov.sg)