

Module 4: Domain Status and Life Cycle

Domain Status and Life Cycle

4.1 Understanding Domain Status Codes

- Domain **status codes**, also known as **EPP status codes**, are indicators that show the current state of a domain name.
- These codes are set either by your domain's registry or registrar and help domain owners understand what actions can or cannot be performed on their domain.
- EPP codes are divided into two categories:
They include:

4.1 Understanding Domain Status Codes

1. **Server Status Codes:** Set by the domain's registry (e.g., Verisign for .com domains), these control domain actions at the registry level.
 2. **Client Status Codes:** Set by the domain registrar (e.g., Truehost, GoDaddy), these control domain actions at the registrar level.
- Every domain has at least one status code but may have multiple codes depending on the current state of the domain.

4.2 What is EPP?

- **Extensible Provisioning Protocol (EPP)** - is a protocol used for managing domain names across different registries and registrars.
- It standardizes domain ***registration, transfer, and update*** procedures, ensuring consistency across the domain industry.
- The status codes within the EPP framework help domain owners and administrators manage domains according to their specific states.

4.3 Types of EPP Status Codes

- Here are the main types of EPP status codes, categorized into **Server Status Codes** and **Client Status Codes**.

4.3.1 Server Status Codes (Set by Registry)

- These codes are applied by the domain's registry and reflect the domain's state at the central registry level.

4.3 Types of EPP Status Codes

4.3.1 Server Status Codes (Set by Registry)

Status	What It Means	Should You Do Something?
1. addPeriod	This grace period occurs immediately after the registration of a domain name. If deleted, a refund is often issued to the registrar.	No action needed unless you intend to cancel the registration
2. autoRenewPeriod	This status follows the automatic renewal of the domain name by the registrar.	No action needed unless you want to cancel or manually renew the domain

4.3 Types of EPP Status Codes

4.3.1 Server Status Codes (Set by Registry)

3. inactive	The domain has been registered but lacks the required name server information.	Add name server details to activate the domain.
4.ok	This is the default status, indicating that the domain is active and has no restrictions	No action is required; the domain is functioning normally.
5. pendingCreate	The domain registration request is in progress	Wait for confirmation of successful registration. May require documentation.

4.3 Types of EPP Status Codes

4.3.1 Server Status Codes (Set by Registry)

6. pendingDelete	The domain is in the final stage before being released back to the public.	You may need to recover the domain if you don't want it to be deleted permanently.
7. pendingRenew	The renewal request is in progress.	No action is required unless the renewal fails.
8. pendingRestore	The domain is in the process of being restored after deletion	Wait for the restoration process to complete.

4.3 Types of EPP Status Codes

4.3.1 Server Status Codes (Set by Registry)

9. pendingTransfer	The domain is in the process of being transferred to a new registrar.	Monitor the transfer process; no action required unless issues arise.
10. pendingUpdate	A request to update the domain's information is in progress	Wait for the update to complete.
11. redemptionPeriod	The domain has been deleted but can still be restored during this period, usually at an additional fee	Recover the domain before the redemption period expires, or it will be deleted permanently.

4.3 Types of EPP Status Codes

4.3.1 Server Status Codes (Set by Registry)

12. renewPeriod	A renewal grace period is active, allowing for domain recovery before it is dropped from the registry.	Renew the domain to retain ownership.
13. serverDeleteProhibited	The domain cannot be deleted by the server due to restrictions imposed by the registry	No action needed unless a deletion is intended; request to lift the restriction if necessary.
14. serverHold	The domain is inactive and will not resolve because of a server-level restriction (e.g., due to legal disputes or payment issues).	Contact your registrar to resolve any underlying issues that caused the hold.

4.3 Types of EPP Status Codes

4.3.1 Server Status Codes (Set by Registry)

15. serverRenewProhibited	Renewal of the domain is blocked by the registry due to policy or technical reasons.	Address the cause of the block with the registrar or registry if renewal is desired.
16. serverTransferProhibited	The domain cannot be transferred to another registrar due to server restrictions.	Contact the registrar to resolve the restriction if a transfer is required
17. serverUpdateProhibited	Updates to the domain information are restricted by the registry.	Contact the registrar or registry if updates are needed and restrictions need to be lifted.

4.3 Types of EPP Status Codes

4.3.1 Server Status Codes (Set by Registry)

18. transferPeriod	This grace period occurs after a successful domain transfer. If the domain is deleted, the registry may provide credit to the registrar.	No action needed unless further changes are required.
	The End.... For SSC.	

4.3 Types of EPP Status Codes

4.3.2 Client Status Codes (Set by Your Domain's Registrar)

Client Status Code	What it Means	Should You Do Something?
1.clientDeleteProhibited	The domain cannot be deleted. This is typically set to prevent accidental or malicious deletion.	No action is needed unless you want to delete the domain. If you do, contact your registrar to remove the restriction.
2. clientHold	The domain is on hold and is not resolving (it's inactive or suspended).	Check with your registrar to find out why the domain is on hold. This could be due to a payment issue or a violation of the registrar's policies.

4.3 Types of EPP Status Codes

3. clientRenewProhibited	The domain cannot be renewed	Contact your registrar if you need to renew the domain but this status is preventing you from doing so.
4. clientTransferProhibited	The domain cannot be transferred to another registrar.	No action is needed unless you are trying to transfer the domain. Contact your registrar to lift the restriction if a transfer is required.
5. clientUpdateProhibited	The domain cannot be updated (e.g., changing contact information, DNS settings).	No action is needed unless you need to update the domain information. If so, contact your registrar to remove the restriction.

4.4 Domain Life Cycle

- Domains follow a life cycle from registration to deletion. Understanding this life cycle is crucial for domain management:
 1. **Available:** The domain is available for registration.
 2. **Registered:** Once registered, the domain is active for the period purchased. 1Year minimum.
 3. **Expired:** If the domain is not renewed by the expiry date, it enters the expired phase.
 4. **Grace Period:** After expiry, many domains enter a grace period during which they can still be renewed.

4.4 Domain Life Cycle

5. Redemption Period: If the domain is not renewed during the grace period, it enters the redemption period. During this period, the domain can still be restored, but at a higher cost.

6. Pending Delete: After the redemption period, the domain enters the pending delete phase, during which it cannot be recovered.

6. Deleted: The domain is deleted from the registry and becomes available for registration again.

4.4 Domain Life Cycle

The grace period, redemption period, and pending delete period can vary depending on the domain extension (TLD or ccTLD).

- Here's a summary of these periods for various popular domain extensions:

4.4 Domain Life Cycle

Domain	Grace Period	Redemption Period
1. .com	30 days	30 days
2. .net	30 days	30 days
3. .org	30 days	30 days
4. .co	30 days	30 days

4.4 Domain Life Cycle

Domain	Grace Period	Redemption Period
5. .ke	90 days	10 days
6. ng	30 days	30 days
7. .za	5-10 days	20 days
8. .tz	30 days	30 days
9. .africa	5 days	30 days

Explanation

- **Grace Period:** The period after the domain expires during which the owner can renew the domain at the regular renewal price.
- **Redemption Period:** The period after the grace period during which the domain can still be recovered, usually with an additional redemption fee.