

MAIN.10.1. Registration Lifecycle:

The domain name registration lifecycle refers to the complete process from domain name registration, management, to expiration or deletion, with different stages corresponding to various statuses and operations. Below are the potential domain name registration lifecycle stages supported by the system and related descriptions:

1. Pre-Registration:

Users submit registration applications before a domain name is officially open for registration (e.g., for domains approaching expiration or newly opened for registration). It supports "cybersquatting" or "reservation" mechanisms. The system processes applications according to rules (such as first-come-first-served or auction).

- Status value: Pending Pre-Registration: Application submitted, waiting for registry processing.

2. Registration Application:

After a domain name is officially open for registration, users submit registration requests, and the system initiates real-time applications to the registry. This requires completing domain name information (WHOIS), real-name authentication, and payment.

- Status values:
 - PendingCreate: Registration request submitted, waiting for registry confirmation.
 - ServerCreateProhibited: Registry rejects creation (e.g., policy violation).

3. Registration Success (Active):

The domain name is successfully registered and in an effective status, with users holding domain control. DNS configuration, resolution management, adding subdomains, etc., can be performed.

- Status value: Active: Normal active status, domain name available.

4. Registration Management:

Daily maintenance during domain name registration, including information changes, status adjustments, permission management, etc.

- Related status values:
 - ServerTransferProhibited: Registrar prohibits transfer (needs restriction release).
 - ClientTransferProhibited: User account prohibits transfer (e.g., due to arrears, unvalidated).
 - Locked/Unlocked: Domain name lock/unlock status (prevents unauthorized modification or transfer).

5. Renewal:

When a domain name approaches expiration, users need to renew to extend validity. The auto-renewal function avoids domain expiration due to forgetfulness.

- Status values:
 - PendingRenew: Renewal request submitted, waiting for registry confirmation.
 - Auto-Renew Prohibited: Auto-renewal function disabled (needs manual activation).

6. Expiration and Redemption:

6.1 **Grace Period:** After domain expiration, it enters the grace period (typically 30 days), during which renewal can still restore use.

- Status value: Expired: Domain name expired but still in grace period.

6.2 **Redemption Period:** After the grace period ends, the domain name enters the redemption period (typically 30 days), requiring a higher redemption fee for restoration.

- Status value: Redemption Period: Domain name in redemption period, only restorable via redemption.

6.3 **Pending Delete:** After the redemption period ends, the domain name enters the deletion queue, waiting for registry release.

- Status value: Pending Delete: Domain name 即将 deleted, non-restorable.

7. Registration Deletion (Deleted):

The domain name is permanently deleted from the registration database and released for public reregistration. It can be reapplied for through a cyber squatting mechanism (depending on registry rules).

- Status value: Deleted: Domain name deleted, status non-restorable.

8. Special Statuses:

8.1 **Suspended:** The domain name is suspended from resolution by the registry or registrar due to violations (e.g., abuse, infringement) or policy reasons.

- Status values:
 - ServerHold: Registry suspends the domain (e.g., incomplete real-name authentication).
 - ClientHold: Registrar suspends the domain (user violation or arrears).

8.2 **Dispute Handling:** The domain name enters arbitration or legal proceedings due to intellectual property disputes.

- Status value: Pending Legal: Domain name in legal dispute status, operations restricted.