Cloud Platform Documentation

# 1> Signup Page

• Page one: Username, phone number and Email with 'Next' button. Check email not used before (server-side check). Option: 'I have account, SignIN'.

• Page two: Check OTP (on phone or email based on user request).

• Page three: Collect address, city, state, country, and PAN card.

• Page four: Review data and show 'Submit' button.

• Option: Apply Multi-Factor Authentication (MFA) or skip for now.

# 2> SignIN Page

• Supports Root User and IAM-like Account (ID or Alias).

• Radio Buttons or Tabs for login type (remember last selected).

• Root User Login: Email, Captcha, Password, MFA if enabled.

• IAM Login: Account ID/Alias, Username, Password, Captcha.

• Backend Logic: bcrypt password check, JWT session, role validation, login logging.

# 3> Console Services

• 1. Computing Service

• 2. Storage Service

• 3. Domain Buying Service

• 4. Billing

## 3.1 Computing Service

• Create/manage VMs: Choose OS, size, region.

• Control options: Start, Stop, Restart, Terminate.

• Monitor: CPU %, Memory, I/O, Logs.

• Instance Types: General, Compute-Optimized, Memory-Optimized, Custom.

• Extras: Attach volumes, assign Elastic IP, firewall, auto-shutdown, SSH/Web console.

• Extra Services: 'Scaling', 'Faster' app templates, custom scripts (default yes).

## 3.2 Storage Service

• Create Buckets, upload/download/manage files.

• Support: Object, Block, Archive storage (optional File).

• Extras: Folder view, versioning, sharing, file expiry.

• Recycle bin for 5 days, then delete (charged).

• Live usage update.

• Public/Private buckets, CDN optional.

• Secure: Encryption, access policies, MFA for critical actions.

## 3.3 Domain Buying Service

• Search and register domain names (.com, .in, .net, .io, etc.).

• Suggest similar domains if unavailable.

• Purchase via cart, UPI/Card.

• Manage domains: Renew, DNS (A, CNAME, MX, TXT), WHOIS privacy.

• Support subdomains and domain transfers.

• DNS fully editable, DNSSEC optional.

## 3.4 Billing System

• Track VM/Storage/Domain usage live.

• No free tier.

• Invoices auto-generated monthly (PDF download).

• Support UPI, Card via Razorpay/Stripe.

• View history, alert via Email/SMS for usage/bill.

• Recycle bin charges counted.

• UI: Dashboard, Invoices, Usage, Payment Methods, Billing Settings.