



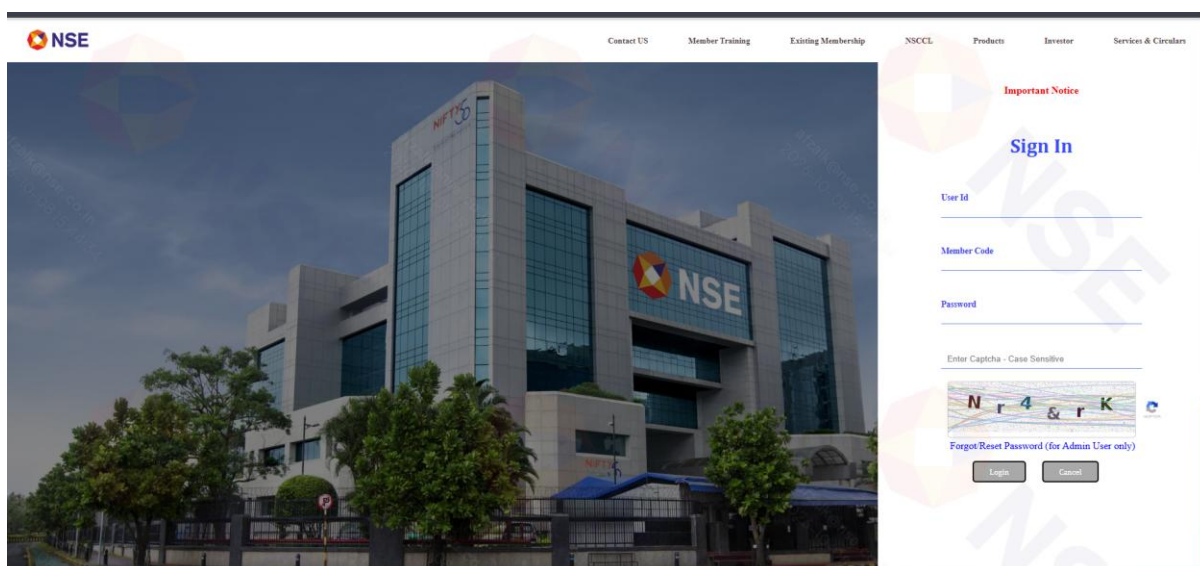
National Stock Exchange of India ltd.

Document Name	UAT Member Portal User Guide Ver 2.0.docx
For	Member Portal
Applicable to	Member Admin User
Purpose	Member Portal Admin User Guide

NSE EXTRANET BETA API REGISTRATION

1. Member has to login to UAT - Member Portal on the below link

UAT URL: <https://lama.uat.nseindia.com/MemberPortalRevamp>



For Admin login enter the below credentials when the above screen appears:

- User Id: 5 digit Member Code
- Member Code: 5 digit Member Code
- Password: Member Password

Note:

For First time login

- If first time login, members will have to login with default password and then change the password and re-login with new password.
- For first time login on member portal, OTP will be sent on registered mobile number or email id. Once correct OTP is entered user will be logged in successfully.

For Forget /reset password

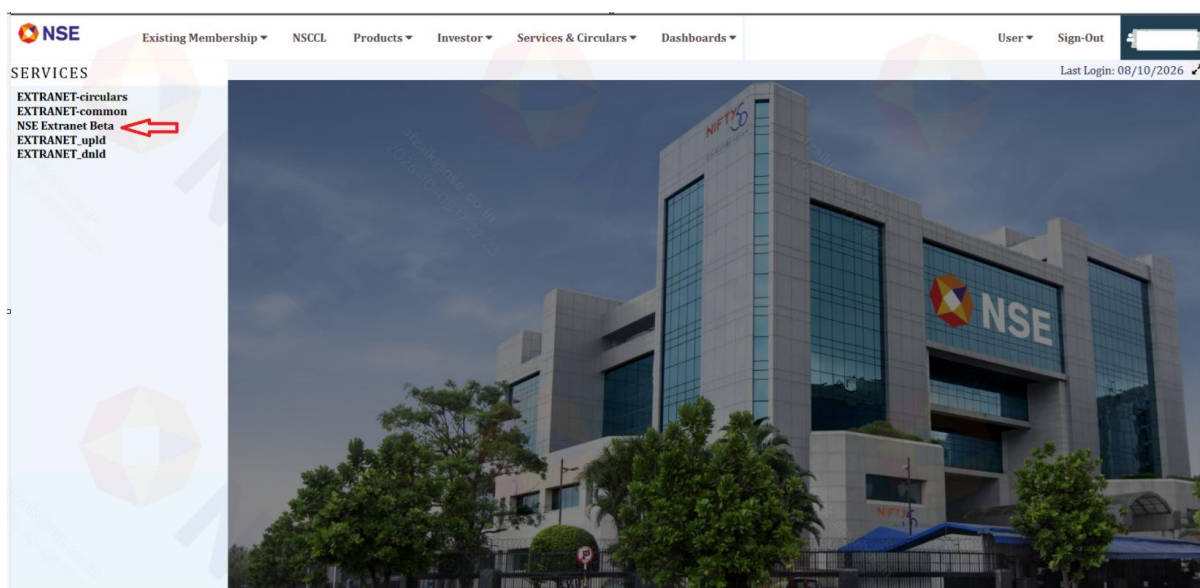
- For Admin User - Follow the steps provided when the user clicks on ***“Forgot/Reset Password (for Admin User only)”*** option given above
- For Sub user – The password can be reset by your admin user.

You may write to us at msm@nse.co.in or call us on:

Toll Free no: 1800 266 0050 (IVR option 1)

(Monday to Friday between 8:00 am to 7:30 pm)

2. After successfully login, on left hand corner click on “NSE Extranet Beta” tab.



For accessing NSE Extranet Beta on Member portal a user needs to have the following:

1. Member Admin user must assign role for any new / existing subuser under him in order to provide access to NSE Extranet Beta Service. Please refer the attached member portal user manual to get help on assigning the user the require role.

Document Name:

2. In order to access different menu options provided under NSE Extranet Beta, member has to select the below options while assigning the role to the sub user:

Extranet Services available	Access to be provided by Admin to subuser
NSE Extranet Beta	Yes - Mandatory
Extranet - common	Yes - Mandatory
Extranet - dnld	Yes - Mandatory
ExtranetAPI-Registration	Yes - Mandatory

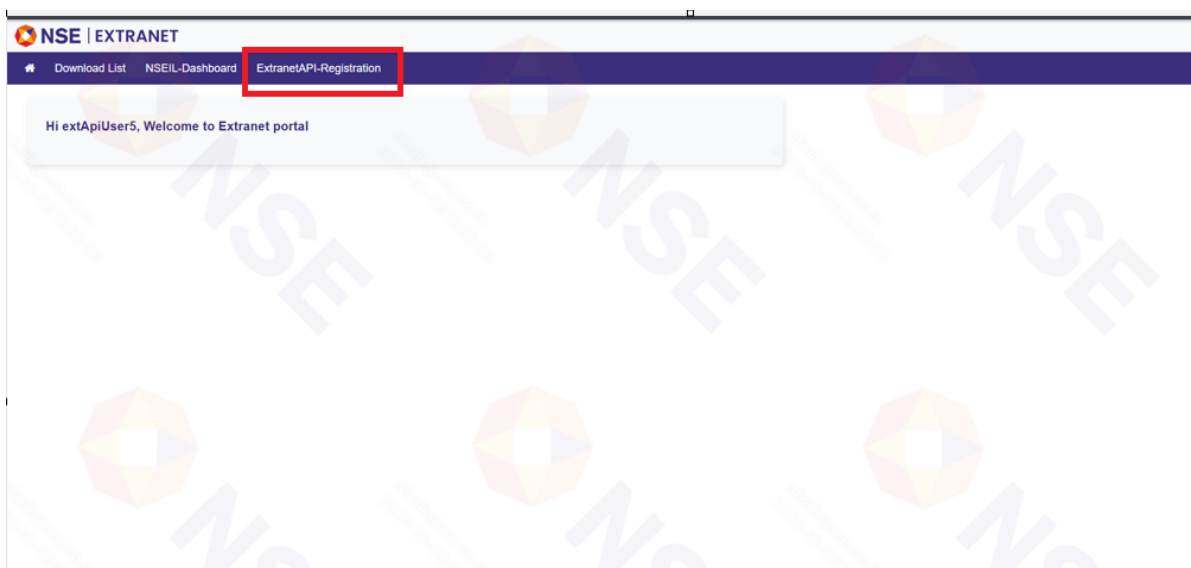
Services:	ALL	CM	CD	CO	DEBT	FO	MFSS	REPO	SLB	WDM
EXTRANET-circulars	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
EXTRANET-common	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
EXTRANET_dnld	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
EXTRANET_upld	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ExtranetAPI-Registration	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
NSE Extranet Beta	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

3. Click on “ExtranetAPI-Registration” tab and proceed for API registration.

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3. After clicking the “EXTRANET API -Registration” button the member will have to submit the following information in Registration form.

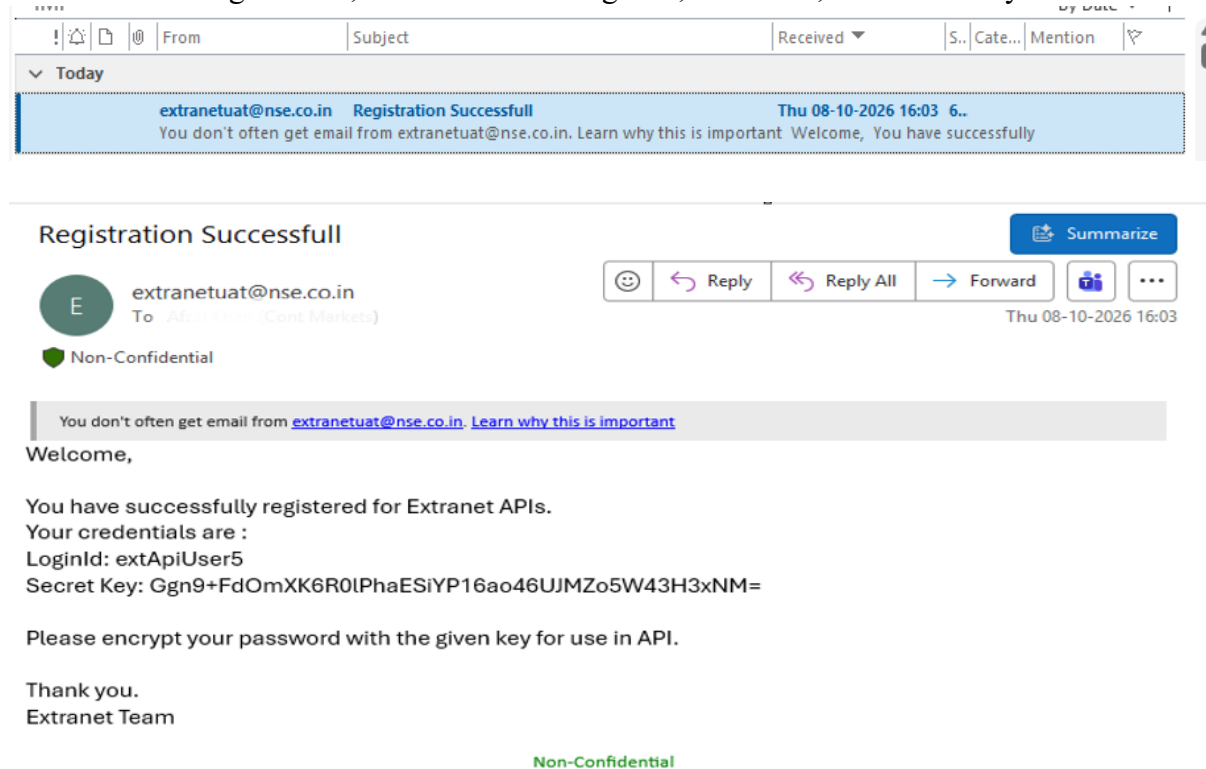
 The screenshot shows the 'REGISTER' form on the NSE | EXTRANET portal. The form is light blue with a white border. It contains several input fields: 'Member Code*', 'Login Id*', 'Member's Email Id*', 'Member's Mobile No*', 'Password*', and 'Confirm Password*'. At the bottom right of the form, there are two buttons: 'Submit' and 'Reset'. The 'Submit' button is highlighted with a red rectangular box.

Sr. No.	Field	Validation points
1	Login Id	It will be auto-populated and will be same as the Member User ID
2	Member's Email Id	Member's Email Id and should be a valid email id.
3	Member's Mobile No.	Mobile number
4	Password	Characters (12) (At least one capital character, one small character, one numeric and one special character from @, #, \$, %, ^, &, *, =)
5	Confirm Password	Should be same as the Password

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After providing inputs for the information sought, click on “Submit” button. If all details provided are valid then Registration will be successful

4. After successful registration, member will receive an e-mail, on the e-mail address provided by Member while registration, which contains Login Id, Password, and Secret key.

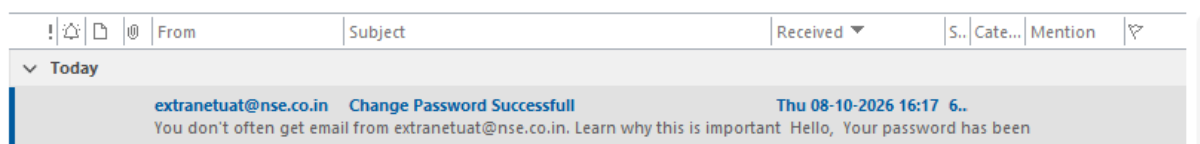


Once a member is registered the Member can view the profile by clicking “ExtranetAPI-Registration” button, which will redirect the member to the Profile page.

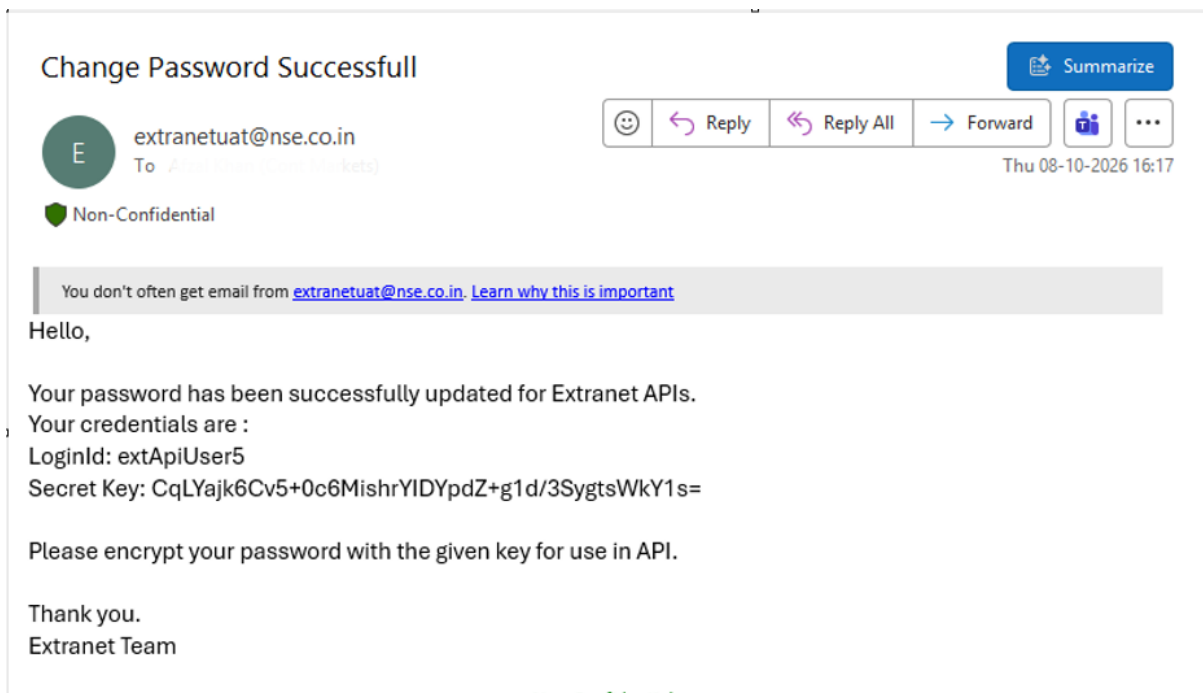
ExtranetAPI-Registration → Edit Profile

5. User can reset the Password, by entering the new Password and Confirm Password and clicking on Submit button.

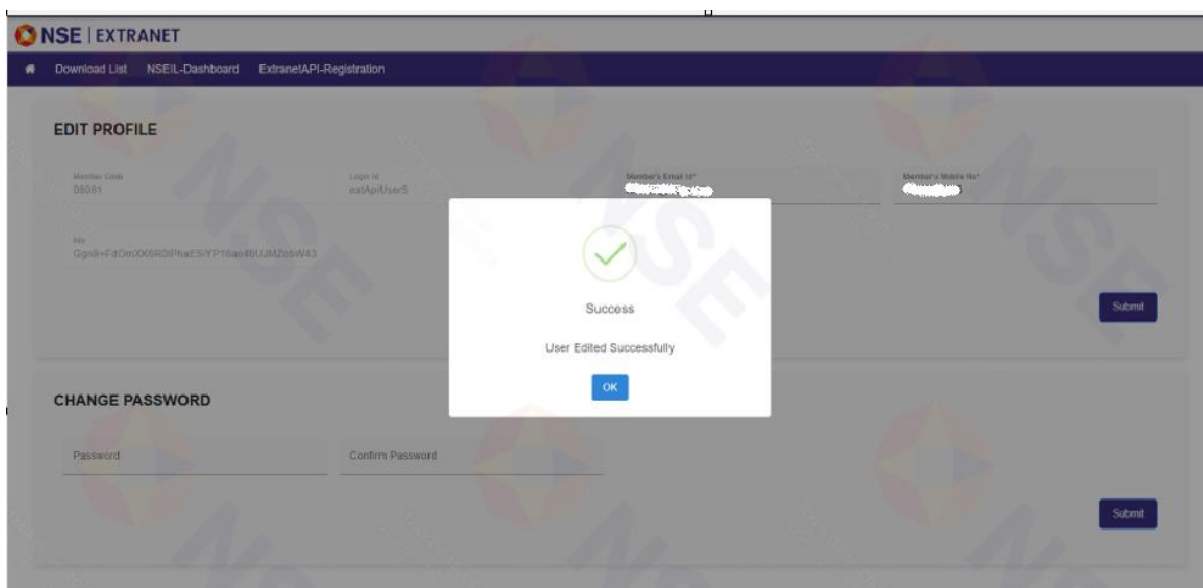
Once the password is reset, the user will receive an email confirming the password reset.



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6. User can update the Member's Email id and Member's Mobile no and click on Submit. On successfully editing the email id and mobile no system will display message as 'Update Successful'.



7. User has to encrypt its raw password by using secret key. This encrypted password needs to be used while calling login API. Java and .Net Code Snippet of AES encryption is added at the end of the document.

PART B: API End Points

1.Login:

<https://extranet.nseindia.com/auth/login>

e.g.: <https://extranet.nseindia.com/auth/login>

2.Logout

<https://extranet.nseindia.com/auth/logout>

e.g.: <https://extranet.nseindia.com/auth/logout>

3.Get Member Files/Folders

<https://extranet.nseindia.com/NSEextranet-api/member/content/v2?folderPath=&segment=>

e.g.:<https://extranet.nseindia.com/NSEextranet-api/member/content/v2?segment=CM&folderPath=>

4.Download Member File

<https://extranet.nseindia.com/NSEextranet-api/member/file/download?folderPath=&segment=&filename=&date=>

e.g.:<https://extranet.nseindia.com/NSEextranet-api/member/file/download?folderPath=08081/Accounts/NSCCL&segment=CM&date=24-08-2026>

5.Get Common File/Folders

<https://extranet.nseindia.com/NSEextranet-api/common/content/v2?folderPath=&segment=>

e.g.: <https://extranet.nseindia.com/NSEextranet-api/common/content/v2?folderPath=&segment=>

6.Download Common File

<https://extranet.nseindia.com/NSEextranet-api/common/file/download?folderPath=&segment=&filename=&date=>

e.g.: https://extranet.nseindia.com/NSEextranet-api/common/file/download?folderPath=common/auction&segment=CM&filename=08081_TestFile1_gtyjk.txt

8. AES Code Snippet [Java] public class CodeSnippet

```
import javax.crypto.BadPaddingException;
import javax.crypto.Cipher;
import javax.crypto.IllegalBlockSizeException;
import javax.crypto.NoSuchPaddingException;
import javax.crypto.spec.GCMParameterSpec;
import javax.crypto.spec.SecretKeySpec;
import java.io.UnsupportedEncodingException;
```

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```

import java.security.InvalidAlgorithmParameterException;
import java.security.InvalidKeyException;
import java.security.NoSuchAlgorithmException;
import java.security.SecureRandom;
import java.util.Base64;

public class SecretPassword{

    // GCM mode requires a 12-byte IV (Initialization Vector)
    private static final int GCM_IV_LENGTH = 12;
    private static final int GCM_TAG_LENGTH = 128; // 128 bits

    public static void main(String[] args) throws UnsupportedOperationException,
    NoSuchAlgorithmException, NoSuchPaddingException, InvalidKeyException,
    IllegalBlockSizeException, BadPaddingException, InvalidAlgorithmParameterException
    {
        //Plain Text Password - Enter your password here
        String password = "Kund@1234";

        // Paste the key received from email here (Base64 encoded 32-byte key)
        // Example: "MfmciEx0RyD2BuEXXPq/NpbjawyCORmbHY7a1+ppT4w="
        String key = "OM+YRGHvdOaxfJLOF2FwvEhHm0D7CnzoRzm0nOd6uPY=";

        //Key is converted to byte array
        byte[] keyByteArray = Base64.getDecoder().decode(key);

        //SecretKeySpec is used to construct a SecretKey from a byte array
        SecretKeySpec secretKeySpec = new SecretKeySpec(keyByteArray, "AES");

        // Generate random IV for GCM mode
        SecureRandom random = new SecureRandom();
        byte[] iv = new byte[GCM_IV_LENGTH];
        random.nextBytes(iv);

        // Create GCMParameterSpec with 128-bit tag length
        GCMParameterSpec gcmParameterSpec = new GCMParameterSpec(GCM_TAG_LENGTH,
        iv);

        // Use AES/GCM/NoPadding
        Cipher cipher = Cipher.getInstance("AES/GCM/NoPadding");
        cipher.init(Cipher.ENCRYPT_MODE, secretKeySpec, gcmParameterSpec);

        // Pass plain text that is to be encrypted
        byte[] encrypted = cipher.doFinal(password.getBytes("UTF-8"));
    }
}

```

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```
// Combine IV + encrypted data and encode as Base64
byte[] ivAndEncrypted = new byte[iv.length + encrypted.length];
System.arraycopy(iv, 0, ivAndEncrypted, 0, iv.length);
System.arraycopy(encrypted, 0, ivAndEncrypted, iv.length, encrypted.length);
String encrypt = Base64.getEncoder().encodeToString(ivAndEncrypted);

// Output the encrypted password - Use this for login

System.out.println("encrypted string:" +encrypt);

}

}
```

*******END OF DOCUMENT*******