

When and how to submit a secret

How to submit a secret

Wait for finality lock and escrow creation

- After the escrows are created on both the source and destination chains, the finality lock period must expire before the secret is shared.
- Use `getReadyToAcceptSecretFills(orderHash)` to check if the secret can be submitted, meaning both escrows are in place, and finality locks have passed.

```
async getReadyToAcceptSecretFills(  
  orderHash: string  
) : Promise<ReadyToAcceptSecretFills> {  
  return this.api.getReadyToAcceptSecretFills(orderHash)  
}
```

Check if the order is ready for public actions

- Next, call `getReadyToExecutePublicActions()` to verify if the system is ready to perform public actions, including secret submission. This step ensures that public events such as secret reveals can proceed.

```
async getReadyToExecutePublicActions(): Promise<ReadyToExecutePublicActions> {  
  return this.api.getReadyToExecutePublicActions()  
}
```

Verify if a secret has already been published

- Use `getPublishedSecrets(orderHash)` to check which secrets has already been revealed by other resolvers. If a valid secret is already published, further action may not be needed.

```
async getPublishedSecrets(  
  orderHash: string  
) : Promise<PublishedSecretsResponse> {
```

```
return this.api.getPublishedSecrets(orderHash)
```

```
}
```

How to Submit a secret

Ensure the secret is ready

- The maker must have the secret stored securely and be ready to provide it after finality lock expiration. For example, in the 1inch dApp interface, the secret is stored in the user's browser. To provide the secret, they must keep the browser tab open.

Submit the secret

- Use `submitSecret(orderHash, secret)` to submit the secret for the given order.
- Pass the correct `orderHash` and `secret` in this function to complete the submission process.
- This secret will be used to unlock the escrows and finalize the swap.

```
async submitSecret(orderHash: string, secret: string): Promise<void> {  
  return this.api.submitSecret(orderHash, secret)  
}
```

Verify successful submission

- After submitting the secret, ensure it has been successfully accepted by using `getOrderStatus(orderHash)` to check the order status. A successful secret submission will allow resolvers to complete the swap and release funds from both escrows.

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