

Keepers

Keepers are bots, scripts, other contracts, or simply EOA accounts that trigger events. This can be submitting a signed TX on behalf of a third party, calling a transaction at a specific time, or more complex functionality.

Each time you execute such a function, you are rewarded in either ETH, tokens, or the systems native token KPR. The maximum amount of KPR receivable is $\text{gasUsed} + \text{premium}$ (configured by governance).

Jobs might require keepers that have a minimum amount of bonded tokens, have earned a minimum amount of fees, or have been in the system longer than a certain period of time.

At the most simple level, they simply require a keeper to be registered in the system.

Becoming a Keeper

To become a keeper, you simply need to call `bond(address,uint)`, no funds are required to become a keeper, however certain jobs might require a minimum amount of funds.

```
1  /**
2   * @notice begin the bonding process for a new keeper
3   * @param bonding the asset being bound
4   * @param amount the amount of bonding asset being bound
5   */
6  function bond(address bonding, uint amount) external
```

After waiting `BOND` days (default 3 days) and you can activate as a keeper;

```
1  /**
2   * @notice allows a keeper to activate/register themselves after bonding
3   * @param bonding the asset being activated as bond collateral
4   */
```

```
5 function activate(address bonding) external
```

Removing a Keeper

If you no longer wish to participate you can unbond to deactivate.

```
1 /**
2  * @notice begin the unbonding process to stop being a keeper
3  * @param bonding the asset being unbound
4  * @param amount allows for partial unbonding
5  */
6 function unbond(address bonding, uint amount) external
```

After waiting `UNBOND` days (default 14 days) you can withdraw any bonded assets

```
1 /**
2  * @notice withdraw funds after unbonding has finished
3  * @param bonding the asset to withdraw from the bonding pool
4  */
5 function withdraw(address bonding) external
```

Additional Requirements

Some jobs might have additional requirements such as minimum bonded protocol tokens (for example SNX). In such cases you would need to bond a minimum amount of SNX before you may qualify for the job.