Steam ID to Community ID Conversion

1 Steam IDs

Steam$^{\text{TM}}$ is the Valve Corporation's proprietary *electronic distribution platform.* Steam uses Steam IDs to uniquely identify Steam user accounts. Steam IDs adhere to the following format:

$$STEAM\_0 : \alpha : \beta$$

Where α (alpha) represents the authentication server number associated with the Steam ID and β (beta) represents the actual Steam account number. Generally, α will always be set to either 0 or 1 (a Steam account will be authenticated by one of two possible authentication servers). β may vary in length anywhere from 1 to 5 or more digits.

2 Community IDs

Valve uses Community IDs to associate a Steam community profile with its corresponding Steam account. To date, all Community IDs start with 76561197960 and end with a dependent variable (the unique portion of the Community ID, as calculated from the Steam ID).

For reasons unknown, Valve uses a base of 76561197960265728 which is then incremented by α (therefore incremented by 0 or 1) in the calculation of a Community ID.

3 Conversion

3.1 Steam ID $\rightarrow$ Community ID

To convert a Steam ID to a Community ID, use the following equation:

$$ID = 76561197960265728 + \alpha + (\beta \times 2)$$

The Community ID can then be used to access a Steam user's community profile, which may be particularly useful when attempting to view the community profile when lacking access to any information beyond the user's Steam ID. Attach the Community ID to the end of the following url: http://steamcommunity.com/profiles/**76561197960265731**

3.2 Community ID $\rightarrow$ Steam ID

To convert a Community ID to a Steam ID, use the following equation:

$$\beta = \frac{CommunityID - 76561197960265728 - \alpha}{2}$$

Note: Determining the alpha value is simple. If the Community ID is an even number α must be equal to 0, and if it is an odd number α must be equal to 1.

β represents the Steam account number, which may be plugged into the Steam ID format: $STEAM\_0 : \alpha : \beta$