WCA – Game Recommendation

Data Description

The data contains users who are subscribed to Origin Access and their activity with the games both within and without the subscription catalogue (aka, “vault”). Not all datasets are within the same time window due to tracking systems being turned on at different times.

In this document we explain the six datasets provided:

* User Subscription Windows
* Origin Access Vault Games
* Game Sessions
* Game Entitlements
* Game Launches
* Game Description

# User Subscription Windows

|  |  |
| --- | --- |
| **Filename** | **data\_sub.csv** |
| **Rows** | **13,867** |
| **Description** | This is a sample (scaled to obfuscate) of users who have subscribed to Origin Access from 2016-01 until 2018-06. Each user can subscribe multiple times with different types of subscriptions (trial, monthly, annual) and different lapsed windows. |

**Sample:**

|  |  |  |  |
| --- | --- | --- | --- |
| user\_id | subscription\_type | subs\_start\_date | subs\_end\_date |
| ff887547b8553085efb4f9d3b97223354ea29b1c | ORIGIN SUB 7 DAY TRIAL | 3/6/2017 | 3/13/2017 |
| c83a8870c574f09966045bf67651ae0c857f0f06 | ORIGIN SUB 7 DAY TRIAL | 6/11/2017 | 6/18/2017 |
| 2babfb20ccc028b2215e6a1294f23d9ef2e3e25b | ORIGIN SUB 7 DAY TRIAL | 3/17/2017 | 3/25/2017 |
| acfa9a7401a0e0ddc3fb88dabdc467b44128041a | ORIGIN SUB 7 DAY TRIAL | 2/28/2017 | 3/7/2017 |
| 9eba96d136d9b088bc740f15b50a04da6c701015 | ORIGIN SUB 7 DAY TRIAL | 3/15/2017 | 3/22/2017 |
| 9e63db26997493192b93e37fb7a44a58b6d38ceb | ORIGIN SUB 7 DAY TRIAL | 3/4/2017 | 3/11/2017 |
| a0782c4734d22205a3a4fc610c02b3b276ea24a7 | ORIGIN SUB 7 DAY TRIAL | 2/24/2017 | 3/3/2017 |
| f30a79047ef342d014517a508165cf60f4aa1235 | ORIGIN SUB 7 DAY TRIAL | 2/18/2017 | 2/25/2017 |
| 48a37b5562df93272c8b72c9c3ee94cb26916eea | ORIGIN SUB 7 DAY TRIAL | 7/17/2016 | 7/24/2016 |
| a7a8809bebb7d948fce2bf26ea6bca753d0dd9cc | ORIGIN SUB 7 DAY TRIAL | 3/16/2018 | 3/23/2018 |

**Columns:**

|  |  |
| --- | --- |
| Column | Description |
| user\_id | User ID |
| subscription\_type | Subscription Type among the three:   * 7 Day Trial * Monthly * Annual |
| subs\_start\_date | Start date of the subscription |
| subs\_end\_date | End date of the subscription. If it is a future year like 3017 then it is currently ongoing/active. |

# Origin Access Vault Games

|  |  |
| --- | --- |
| **Filename** | **data\_oa\_vault.csv** |
| **Rows** | **108** |
| **Description** | This is the catalog of games within the Origin Access subscription game vault along with when the game was included. It also has trial dates which allows user to play free trials before purchasing. |

**Sample:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| game\_title\_vault | trial\_start\_date | trial\_end\_date | vault\_start\_date | vault\_end\_date | franchise\_vault |
| TRINE 2 | NA | NA | 5/23/2016 | 12/31/2099 | THIRD PARTY |
| TORCHLIGHT II | NA | NA | 2/23/2016 | 12/31/2099 | THIRD PARTY |
| MINI METRO | NA | NA | 8/8/2016 | 12/31/2099 | THIRD PARTY |
| ULTIMA 2 ORIGIN | NA | NA | 12/12/2016 | 12/31/2099 | ULTIMA |
| MEDAL OF HONOR ALLIED ASSAULT | NA | NA | 5/23/2016 | 12/31/2099 | MEDAL OF HONOR |
| MIRRORS EDGE CATALYST | 6/1/2016 | 11/8/2016 | 11/8/2016 | 12/31/2099 | MIRRORS EDGE |
| TRINE | NA | NA | 5/23/2016 | 12/31/2099 | THIRD PARTY |
| ULTIMA 1-6 | NA | NA | 12/12/2016 | 12/31/2099 | ULTIMA |
| MIRRORS EDGE | NA | NA | 11/8/2016 | 12/31/2099 | MIRRORS EDGE |
| MASS EFFECT: ANDROMEDA | 3/15/2017 | 10/16/2017 | 10/16/2017 | 12/31/2099 | MASS EFFECT |

**Columns:**

|  |  |
| --- | --- |
| Column | Description |
| game\_title\_vault | To join onto other dataset use this field to get vault start and end date. There is game\_title and game\_title\_vault because Command and Conquer Deluxe is joinable with multiple games since it is a bundle. |
| trial\_start\_date | Start date of the trial |
| trial\_end\_date | End date of the trial |
| vault\_start\_date | When the game was entered into the catalog and granting Origin Access subscribers to play the game |
| vault\_end\_date | Removal of the game from the catalog but this will always be open 2099 |
| franchise\_vault | Game’s franchise as defined by this table |

# Game Sessions

|  |  |
| --- | --- |
| **Filename** | **data\_session.csv** |
| **Rows** | **305,253** |
| **Description** | This is the daily user sessions for a game within the Origin Access game vault only. Every time a user plays a game within their subscription period and it is an Origin Access vault game, it will generate a record for that day. If a user plays the same game over multiple days, it will create multiple records for each day and game. |

**Sample:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| user\_id | session\_date | game\_title | game\_title\_vault | platform | country |
| 27bc0585c09c0bd195d64fe40ec1743939c0c6d4 | 5/26/2018 | TYRANNY | TYRANNY | PC | US |
| 0e862193b9b7412e30db4cb229c93a44fbbcc29f | 2/25/2017 | DEAD SPACE 3 | DEAD SPACE 3 | PC | RU |
| cd603d785f09a5601c9b43728c50c4e5755bac33 | 5/3/2018 | C&C THE ULTIMATE COLLECTION | C&C THE ULTIMATE COLLECTION | PC | NO |
| 62fd8aacde6c2d431279145bd06810dc48b3d748 | 9/3/2017 | TRINE 2 | TRINE 2 | PC | RU |
| 183968c3e845a5c0a9408b7bad1c388b20e182b3 | 9/10/2017 | DRAGON AGE: INQUISITION | DRAGON AGE: INQUISITION | PC | PL |
| bd6795f6ff7d073deab0cddddd6d4cd4fc7a1d89 | 1/10/2018 | DRAGON AGE: INQUISITION | DRAGON AGE: INQUISITION | PC | RU |
| fb01310c6ee96a82b255627358d9c194631503c0 | 10/30/2017 | ULTIMA 8 | ULTIMA 8 | PC | ZA |
| 701d7068b164256f02813223a4523f96b80f9681 | 2/18/2017 | UNRAVEL | UNRAVEL | PC | CN |
| e2ee1752c635b2113ec046112c5a64edfe0faaf8 | 8/8/2017 | DEAD SPACE 3 | DEAD SPACE 3 | PC | GB |
| 05fd4275b695f6e886dc433bb0a5facee544f8af | 5/18/2018 | VIRGINIA | VIRGINIA | PC | US |

**Columns:**

|  |  |
| --- | --- |
| Column | Description |
| user\_id | User ID |
| session\_date | The day that the user played the game. |
| game\_title | Game Title to join onto data\_game.csv |
| game\_title\_vault | Game Title to join onto data\_oa\_vault.csv |
| platform | This will always be PC since Origin Access subscription is on PC |
| country | Country that the user played in. |

# Game Entitlements

|  |  |
| --- | --- |
| **Filename** | **data\_entitlements.csv** |
| **Rows** | **208,039** |
| **Description** | This is the first time a user opened a game. Users can purchase a game, but they wont be entitled until they actually install and open the game, which is recorded here. This includes games that users have purchased as well as games they have access through their Origin Access subscription. This also includes games they have on other platforms such as XBOX and Playstation |

**Sample:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| user\_id | grant\_date | game\_title | game\_title\_vault | item\_type | entitle\_by\_subscription | revenue\_model | platform |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 2/2/2016 19:44 | NFS MOST WANTED 2013 | NFS MOST WANTED 2013 | FULL GAME | FALSE | Digital - Full Game | PC |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 2/15/2017 17:49 | DEAD SPACE 2 | DEAD SPACE 2 | FULL GAME | TRUE | Digital - Full Game | PC |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 2/22/2017 18:44 | FIFA 15 | FIFA 15 | FULL GAME | TRUE | Digital - Full Game | PC |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 2/15/2017 17:46 | CRYSIS 3 | CRYSIS 3 | FULL GAME | TRUE | Digital - Full Game | PC |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 2/15/2017 17:41 | BATTLEFIELD HARDLINE | BATTLEFIELD HARDLINE | FULL GAME | TRUE | Digital - Full Game | PC |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 2/15/2017 17:53 | MEDAL OF HONOR ALLIED ASSAULT | MEDAL OF HONOR ALLIED ASSAULT | FULL GAME | TRUE | Digital - Full Game | PC |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 12/24/2016 21:32 | BATTLEFIELD 1 | BATTLEFIELD 1 | FULL GAME | FALSE | Digital - Full Game | PC |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 2/15/2017 17:43 | NFS RIVALS (2014) | NFS RIVALS (2014) | FULL GAME | TRUE | Digital - Full Game | PC |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 2/15/2017 17:38 | BATTLEFIELD 4 | BATTLEFIELD 4 | FULL GAME | TRUE | Digital - Full Game | PC |
| b2798fb51ae301adbf1613c44733ac5d64e868de | 2/15/2017 17:36 | BATTLEFRONT | BATTLEFRONT | FULL GAME | TRUE | Digital - Full Game | PC |

**Columns:**

|  |  |
| --- | --- |
| Column | Description |
| user\_id | User ID |
| grant\_date | The date that the user first opened the game on their PC/Console |
| game\_title | Game Title to join onto data\_game.csv |
| game\_title\_vault | Game Title to join onto data\_oa\_vault.csv |
| item\_type | If they accessed the full game, a trial, or a beta |
| entitle\_by\_subscription | If TRUE, then it was first entitled by their Origin Access subscription |
| revenue\_model | Purchased/Access by digital storefront, or purchased by a box off the store shelf |
| platform | Platform played on PC or other platforms. However, this is sparse since users must elect to join their Xbox or PlayStation accounts with their Origin account. |

# Game Launches

|  |  |
| --- | --- |
| **Filename** | **data\_game\_launch.csv** |
| **Rows** | **250,988** |
| **Description** | This is a new hook to capture game start and stop from the timestamp level. It starts at 2018-02 until current. It records where the game was launched from the Origin client or the game’s .exe executable directly. It also records a session\_id which means when a user logged into Origin and played a string of games in sequence will all have the same session\_id until they log off of Origin. The difference between this and the data\_session.csv is that whereas data\_session.csv is only Origin Access games, this is all games. |

**Sample:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| user\_id | session\_id | eventaction | launch\_source | player\_dob | country | locale | event\_post\_time | server\_receive\_time | client\_post\_time | game\_title | game\_title\_vault | platform |
| 0c8ed60856d93193ee355d577142312d29343068 | e818c57a2e04e51f717c906b171d01a4026f6c10 | start | client | 1991-05 | SE | sv\_SE | 2/17/2018 11:37 | 2/17/2018 11:37 | 2/17/2018 11:37 | BATTLEFIELD 4 | BATTLEFIELD 4 | PC |
| 0c8ed60856d93193ee355d577142312d29343068 | e818c57a2e04e51f717c906b171d01a4026f6c10 | stop | NA | 1991-05 | SE | sv\_SE | 2/17/2018 12:50 | 2/17/2018 12:50 | 2/17/2018 12:50 | BATTLEFIELD 4 | BATTLEFIELD 4 | PC |
| 0c8ed60856d93193ee355d577142312d29343068 | e818c57a2e04e51f717c906b171d01a4026f6c10 | stop | NA | 1991-05 | SE | sv\_SE | 2/17/2018 21:08 | 2/17/2018 21:08 | 2/17/2018 21:08 | BATTLEFIELD 4 | BATTLEFIELD 4 | PC |
| 0c8ed60856d93193ee355d577142312d29343068 | e818c57a2e04e51f717c906b171d01a4026f6c10 | start | desktop | 1991-05 | SE | sv\_SE | 2/17/2018 20:28 | 2/17/2018 20:28 | 2/17/2018 20:28 | BATTLEFIELD 4 | BATTLEFIELD 4 | PC |
| 1f474993e0193275359bcee960bb89b7ba2f4b2a | 9bc26f9792d0b0906607300f9c50873dee072c90 | start | desktop | 1989-08 | PT | en\_US | 2/17/2018 13:38 | 2/17/2018 13:38 | 2/17/2018 13:38 | FIFA 18 | FIFA 18 | PC |
| 1f474993e0193275359bcee960bb89b7ba2f4b2a | 9bc26f9792d0b0906607300f9c50873dee072c90 | start | client | 1989-08 | PT | en\_US | 2/17/2018 14:36 | 2/17/2018 14:36 | 2/17/2018 14:36 | FIFA 18 | FIFA 18 | PC |
| 1f474993e0193275359bcee960bb89b7ba2f4b2a | 9bc26f9792d0b0906607300f9c50873dee072c90 | start | client | 1989-08 | PT | en\_US | 2/17/2018 18:20 | 2/17/2018 18:20 | 2/17/2018 18:20 | FIFA 18 | FIFA 18 | PC |
| 1f474993e0193275359bcee960bb89b7ba2f4b2a | 9bc26f9792d0b0906607300f9c50873dee072c90 | stop | NA | 1989-08 | PT | en\_US | 2/17/2018 21:05 | 2/17/2018 21:05 | 2/17/2018 21:05 | FIFA 18 | FIFA 18 | PC |
| 1f474993e0193275359bcee960bb89b7ba2f4b2a | 9bc26f9792d0b0906607300f9c50873dee072c90 | stop | NA | 1989-08 | PT | en\_US | 2/17/2018 16:58 | 2/17/2018 16:58 | 2/17/2018 16:58 | FIFA 18 | FIFA 18 | PC |
| 1f474993e0193275359bcee960bb89b7ba2f4b2a | 9bc26f9792d0b0906607300f9c50873dee072c90 | stop | NA | 1989-08 | PT | en\_US | 2/17/2018 14:20 | 2/17/2018 14:20 | 2/17/2018 14:20 | FIFA 18 | FIFA 18 | PC |

**Columns:**

|  |  |
| --- | --- |
| Column | Description |
| user\_id | User ID |
| session\_id | Each time they log into Origin it starts a session and stops when they log out of Origin. Within the same session\_id the user can play multiple games. |
| eventaction | Indicator of the start and stop event of opening the game. The difference is how long the user was playing the game |
| launch\_source | Did they open it from the Origin Client or directly from the game’s .exe executable file. |
| player\_dob | YYYY-MM of user to infer age. This may not be completely clean since the user can choose to put any date they want. |
| country | Country game was played in |
| locale | Language and country in the format “language\_country”. The user can select language for the Origin client |
| event\_post\_time | Timestamp when the event was first initiated by the user on their computer |
| server\_receive\_time | Timestamp when origin received the event from the client |
| client\_post\_time | Timestamp when the event finally occurred on the user’s computer |
| game\_title | Game Title to join onto data\_game.csv |
| game\_title\_vault | Game Title to join onto data\_oa\_vault.csv |
| platform | This will always be PC |

# Game Description

|  |  |
| --- | --- |
| **Filename** | **data\_games.csv** |
| **Rows** | **250,988** |
| **Description** | This is the dictionary of games and their description. Use this to join onto the other datasets by the field **game\_title** in order to get game information. |

**Sample:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| game\_title | game\_title\_vault | franchise | genre | genre\_category | item\_release\_date |
| A GAME OF THRONES: GENESIS | A GAME OF THRONES: GENESIS | New IP - Internal Tracking | STRATEGY | Strategy | 12/18/2012 |
| A WAY OUT | A WAY OUT | New IP - Internal Tracking | Other Games | Other Games/Compilations | 3/23/2018 |
| ABZU | ABZU | New IP - Internal Tracking | Arcade/Action Adventure | Adventure | 4/15/2018 |
| AFTERFALL: INSANITY | AFTERFALL: INSANITY | New IP - Internal Tracking | Survival Horror | Adventure | 3/20/2012 |
| AGE OF EMPIRES III | AGE OF EMPIRES III | New IP - Internal Tracking | Real-Time Strategy | Strategy | 4/15/2013 |
| AIR CONFLICTS: PACIFIC CARRIERS | AIR CONFLICTS: PACIFIC CARRIERS | New IP - Internal Tracking | Arcade/Action Adventure | Adventure | 10/17/2012 |
| ALAN WAKE'S AMERICAN NIGHTMARE | ALAN WAKE'S AMERICAN NIGHTMARE | New IP - Internal Tracking | Survival Horror | Adventure | 6/15/2012 |
| ALCHEMY HB | ALCHEMY HB | New IP - Internal Tracking | Classic Arcade | Arcade | 11/12/2013 |
| ALICE: MADNESS RETURNS | ALICE: MADNESS RETURNS | Alice | General Action | Action | 6/14/2011 |
| ALIENS COLONIAL MARINES - ORIGIN | ALIENS COLONIAL MARINES - ORIGIN | New IP - Internal Tracking | Shoot 'em up | Shooter | 2/12/2013 |

**Columns:**

|  |  |
| --- | --- |
| Column | Description |
| game\_title | Game Title to join onto data\_game.csv |
| game\_title\_vault | Game Title to join onto data\_oa\_vault.csv |
| franchise | Franchise of the game. For example, FIFA 16, FIFA 17, and FIFA 18 all have the same franchise. |
| genre | Finer genre categorization |
| genre\_category | Broad genre category |
| item\_release\_date | Release date of the game. This might be off by a bit since different game/platforms have different release dates and the release date may be based on when it was available on Origin specifically. For example, Assissin’s Creed might have been released much earlier, but it has a later date because it wasn’t sold on Origin until a later date. |

# FAQ

## Game Origin Access Sessions and Game Entitlements

There are cases where these may not match due to data quality issues, however, you may overcome them by the following.

**A user has a session in a specific game, but it is not in the entitlements data.** If this is the case, then simply consider the earliest session date as the entitlement date.

**A user’s entitlement that does not have “entitle\_by\_subscription = TRUE” has a session in the Origin Access Vault games.** This likely means that they have already purchased the game prior to subscribing to Origin Access.