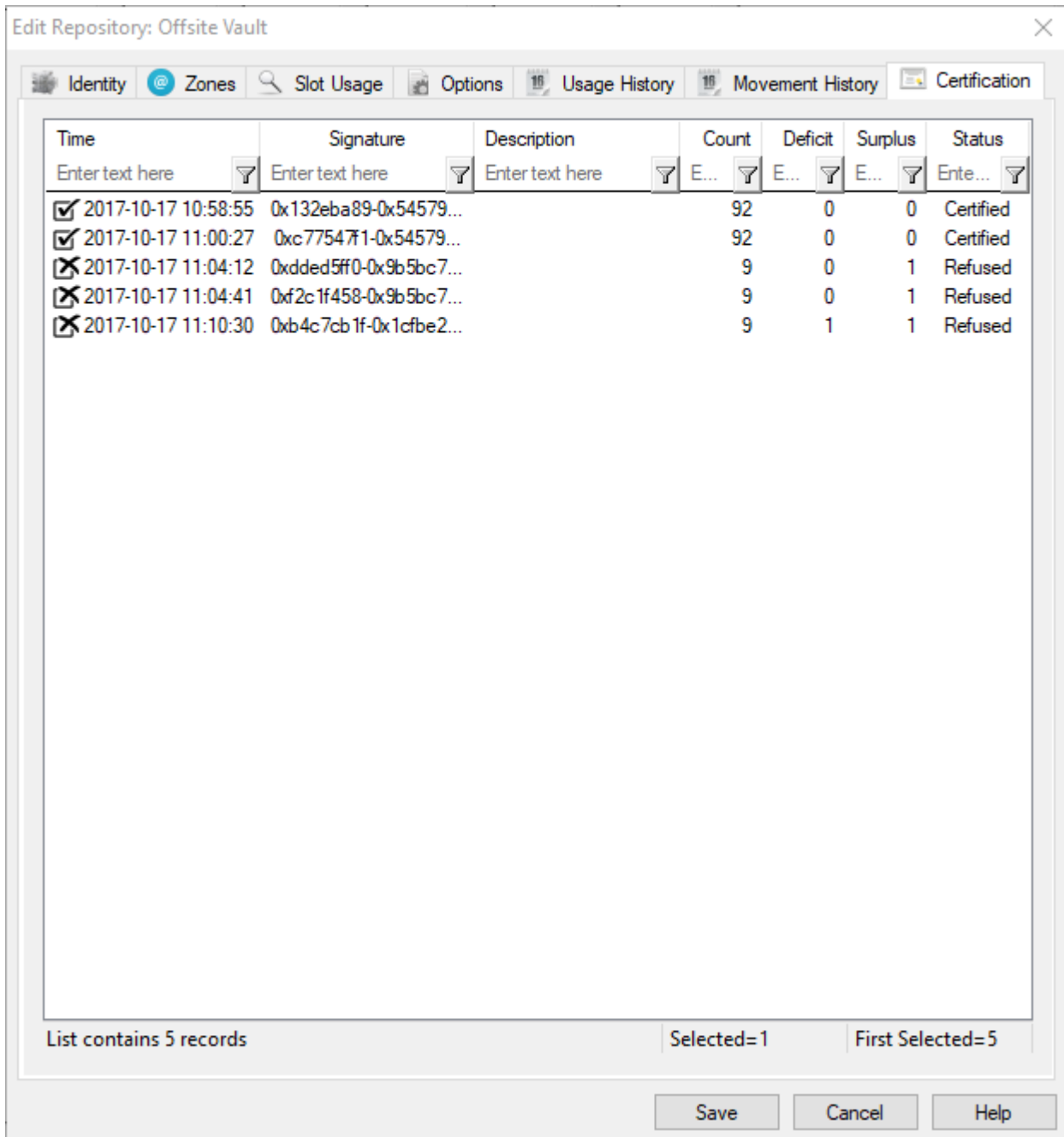


## Certificates and Certification

In TapeTrack, a **Certificate** is a digitally-generated form that indicates whether or not a [Repository](#) is performing adequately. [Repositories](#) can either receive a Certified status or a Refused status. [Repositories](#) gaining a Certificate Refused status have Audit Failures due to either surplus or deficit [Volumes](#).

Certificates that have previously been [generated](#) are listed on the Certificate tab in TapeTrack TapeMaster.



The screenshot shows the 'Edit Repository: Offsite Vault' window with the 'Certification' tab selected. The window contains a table with the following data:

| Time  | Signature              | Description | Count | Deficit | Surplus | Status    |
|---|------------------------|-------------|-------|---------|---------|-----------|
| <input checked="" type="checkbox"/> 2017-10-17 10:58:55 | 0x132eba89-0x54579...  |             | 92    | 0       | 0       | Certified |
| <input checked="" type="checkbox"/> 2017-10-17 11:00:27 | 0xc775471-0x54579...   |             | 92    | 0       | 0       | Certified |
| <input checked="" type="checkbox"/> 2017-10-17 11:04:12 | 0xdded5ff0-0x9b5bc7... |             | 9     | 0       | 1       | Refused   |
| <input checked="" type="checkbox"/> 2017-10-17 11:04:41 | 0xf2c1f458-0x9b5bc7... |             | 9     | 0       | 1       | Refused   |
| <input checked="" type="checkbox"/> 2017-10-17 11:10:30 | 0xb4c7cb1f-0x1cfbe2... |             | 9     | 1       | 1       | Refused   |

At the bottom of the window, it indicates 'List contains 5 records', 'Selected=1', and 'First Selected=5'. There are 'Save', 'Cancel', and 'Help' buttons at the bottom right.

- **Time** displays the date and time the certificate was produced.
  - A tick indicates a successful certification.
  - A cross indicates an unsuccessful certification.
- **Signature** displays the certificates unique digital signature.
- **Description** displays the description (if any) of the certificate.

- **Count** displays the deficit count of volumes.
- **Deficit** displays the deficit count of volumes.
- **Surplus** displays the surplus count of volumes.
- **Status** displays certificate's certified or refused status.

## Viewing Certificate

Right-click on a certificate and select **Properties**, or double-click to open the required certificate.

The top half of the certificate displays:

- **Certificate Properties**
  - **Customer:** Customer-ID or Name
  - **Media:** Media-ID or description
  - **Repository:** Repository-ID or description
  - **Items:** Total number of volumes audited
  - **Deficit:** Number of volumes in deficit (not present but should be)
  - **Surplus:** Number of volumes in surplus (present but should not be)
- **Update Statistics**
  - **When**
    - **Date**
    - **Time**
    - **UTC Offset**
    - **Time at Source**
    - **Time Zone**
  - **From**
    - **Machine Name**
      - **Details**
        - **Connection Count**
        - **First Connection**
        - **Last Connection**
      - **Interface**
      - **Operating System**
    - **As**
      - **User-ID**
      - **User Name**

The bottom half of the certificate displays a list of the Volume-ID's in the certification audit and their status:

- **OK:** Present in the reconciliation and supposed to be.
- **Surplus:** Present in the reconciliation but not meant to be.
- **Deficit:** Not present in the reconciliation process but meant to be.

From: <https://rtfm.tapetrack.com/> - **TapeTrack Documentation**

Permanent link: <https://rtfm.tapetrack.com/subsystem/certification>

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