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| **How SSHR Changes Are Stored While They Await Approval (Doc ID 167419.1)** | [[To Bottom](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=372818605961596&id=167419.1&displayIndex=1&_afrWindowMode=0&_adf.ctrl-state=ruq5k3yze_73)To Bottom](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=372818605961596&id=167419.1&displayIndex=1&_afrWindowMode=0&_adf.ctrl-state=ruq5k3yze_73) | https://support.oracle.com/epmos/adf/images/t.gif |

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| **Applies to:**  Oracle Self-Service Human Resources - Version 11.5.10.0 to 11.5.10.2 [Release 11.5.10] Information in this document applies to any platform.  **Purpose**  How SSHR Changes Are Stored While They Await Approval  **Scope**   .  **Details**  Storing SSHR Changes While They Await Approval  Many SSHR processes require approval by another person. The changes being approved must be held until the change has been approved. If the change is approved then this information is used by the appropriate API to update the employee’s data. If the approval is rejected, then this information is discarded.  The changed data is held in the table HR\_API\_TRANSACTION\_VALUES. Each separate data item is held as an individual row in this table.   * HR\_API\_TRANSACTIONS holds a row for each SSHR process where a change has been made but has not yet been committed to the database; * HR\_API\_TRANSACTION\_STEPS holds a row for each API called by that SSHR process; * HR\_API\_TRANSACTION\_VALUES holds a row for the value of each parameter required by the API.   When an approval notification is sent to an approver there will generally be a link in the text of the message which will allow the approver to see details of the change. These values will be taken from HR\_API\_TRANSACTION\_VALUES.    **Some Examples:**  1. Personal Information  For changes to personal info, the URL link calls hr\_perinfo\_util\_web.show\_changes\_to\_approver with an encoded parameter. You cannot identify the transaction\_step\_id from the parameter.The URL displays the Basic Details. In this example where the employee’s middle name was added, Effective Date, Full Name, Marital Status are displayed.There are rows in the tables hr\_api\_transactions, hr\_api\_transaction\_steps and hr\_api\_transaction\_values for this information.The API stored in HR\_API\_TRANSACTION\_STEPS for this transaction is hr\_basic\_details\_web.PROCESS\_API    2. Professional Details  When an employee enters a qualification against their record, an approval notification is sent to the employee’s supervisor. A URL in the notification points to hr\_prof\_util\_web with an encoded parameter value. You cannot identify the transaction\_step\_id in the URL.The supervisor can click on the link to see the qualification details. There are rows for this information in the tables hr\_api\_transactions, hr\_api\_transaction\_steps and hr\_api\_transaction\_valuesThe API stored in HR\_API\_TRANSACTION\_STEPS for this transaction is hr\_prof\_util\_web.PROCESS\_API    3. Apply For A Job  An employee applies for a job. An approval notification and in that notification is a link to allow the approver to see details of the job application.The URL for such an approval has a TRANSACTION\_STEP\_ID specified in the parameter list.The API stored in HR\_API\_TRANSACTION\_STEPS for this transaction ishr\_apply\_for\_job\_app\_web.PROCESS\_API HR\_API\_TRANSACTION\_VALUES contains the values used by this API if the approval is made and the the API is run.There are 4 hr\_api\_transaction\_value records for this transaction\_step\_id. They are:P\_COVER\_TEXT - the actual text of the cover letterP\_INCLUDE\_RESUME - ‘true’P\_PERSON\_ID - employee’s person\_idP\_VAC\_ID - vacancy\_id The approver sees the cover letter and the resume when he accesses the URL.In the case of ’Apply For A Job’, once the application has been accepted or rejected, the cover letter is lost. It is not stored anywhere other than this  4. SSHR transaction data history  From HRMS PF\_F onwards it is possible to retrieve the history of a transactionafter it has been deleted from the HR\_API... tables.This data is held in the following tables   * + PQH\_SS\_APPROVAL\_HISTORY   + PQH\_SS\_STEP\_HISTORY   + PQH\_SS\_TRANSACTION\_HISTORYP   + QH\_SS\_VALUE\_HISTORY   Refer "Approval Process With Correction V5.0" workflow process. This has detailsof when & how the transaction history is saved in history tables. |