

Assignment part III: Incremental load

1. Order between the flow elements should be sequential whenever needed, and for the rest as parallel as possible. **(2 point)**
2. The use of scripting should be reduced to a minimum. So, the use of scripting is allowed if there is a clear added value in terms of performance. **(2 point)**
3. The report clearly illustrates how the script works and emphasizes on critical points in the flow. **(1 point)**
4. Does the package run properly? **(4 point)**
 - a. Delayed validation should be set properly for components using temporal tables that are created by the script; no existence of tables other than those created by the initial load script should be assumed.
 - b. Is the running time acceptable?
5. payment_status should be set properly **(2 point)**
6. Type I changes and inserts in dimension Staff are handled correctly. **(1 point)**
7. Type I changes and inserts in dimension Store are handled correctly. **(1 point)**
8. Type I changes and inserts in dimension Customer are handled correctly. **(1 point)**
9. New version of Customer is created when there is a type II change in customer **(1 point)**
10. New version of Store is created when there is a type II change in store **(1 point)**
11. New version of Staff is created when there is a type II change in staff **(1 point)**
12. New Customers, Staffs and Stores get inserted properly; that is with their own last_update time as start. **(1 point)**
13. If there is a deletion of a Store, the Staff should not be deleted in the data warehouse. Changes in Store should propagate to the data warehouse. **(1 point)**
14. If there is a deletion of a Staff, the manager_store_id should not be deleted in the data warehouse. Changes in Staff should propagate to the data warehouse. **(1 point)**