



SOLR INDEX

TYPES

► DELTA SOLR Index

It will index small changes only in DB.

► FULL SOLR Index

It will index all the data's in DB.

OPERATIONS:

► Preprocessor

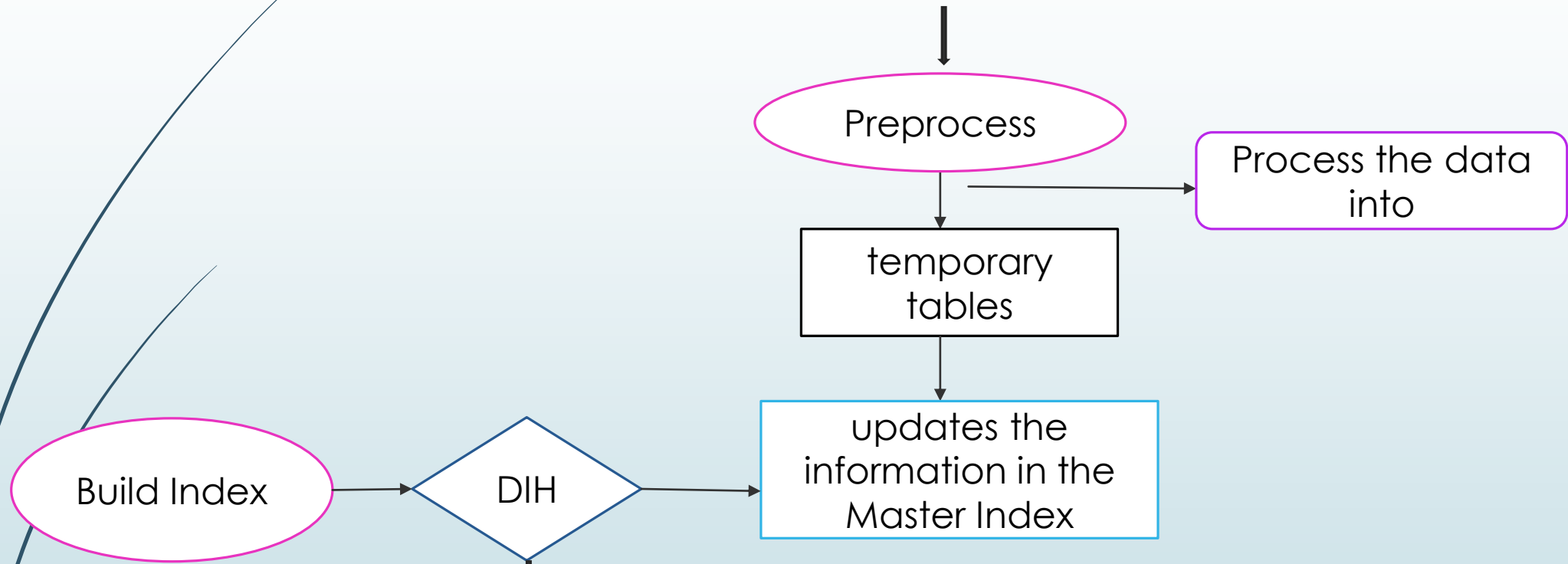
```
nohup sh di-preprocess.sh /opt/apps/IBM/WebSphere/CommerceServer80/instances/ETRSTAGE/search/pre-  
processConfig/MC_10001/Oracle -dbuser WCS_EDIT_APP -dbuserpwd ***** -instance ETRSTAGE -localname en_US -  
fullbuild true &
```

► Build index

```
nohup sh di-buildindex.sh -masterCatalogId 10001 -dbuser WCS_EDIT_APP -dbuserpwd ***** -instance ETRSTAGE -  
localname en_US -fullbuild true -solrConnTimeout 500 &
```

wc-dataimport-preprocess-fullbuild.xml

wc-dataimport-preprocess-deltaupdate.xml

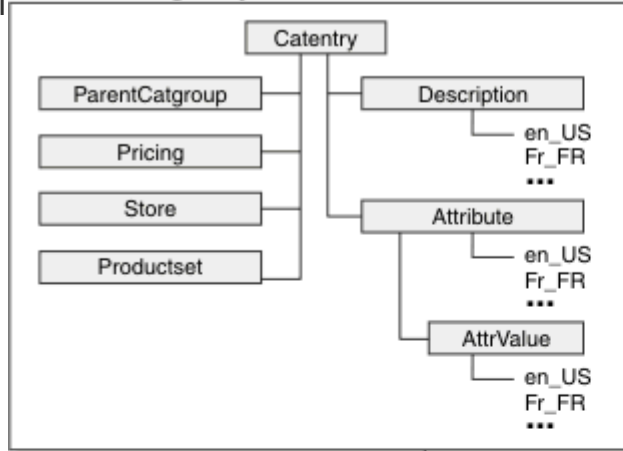


wc-data-config.xml ---> defines the JDBC configuration and SQL statements

http://host:port/solr/MasterCatalog_CatalogEntry_en_US/dataimport?command=full-import (Data Import Handler)

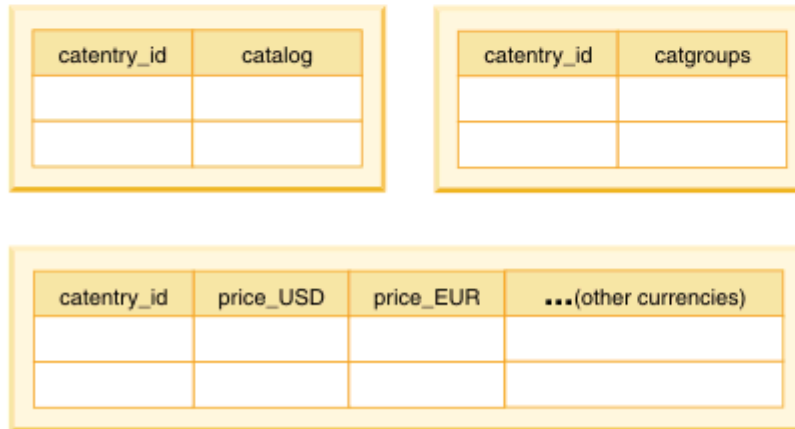
Preprocessing and index-building

Noun: CatalogEntry

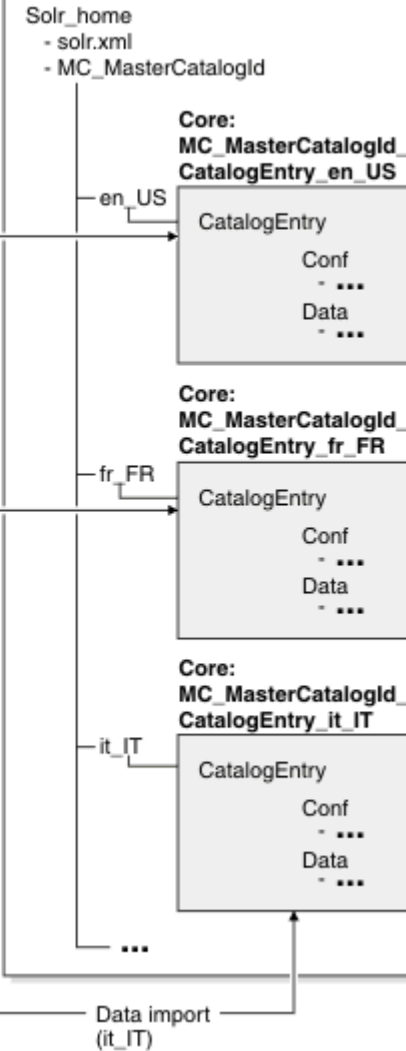


Pre-process

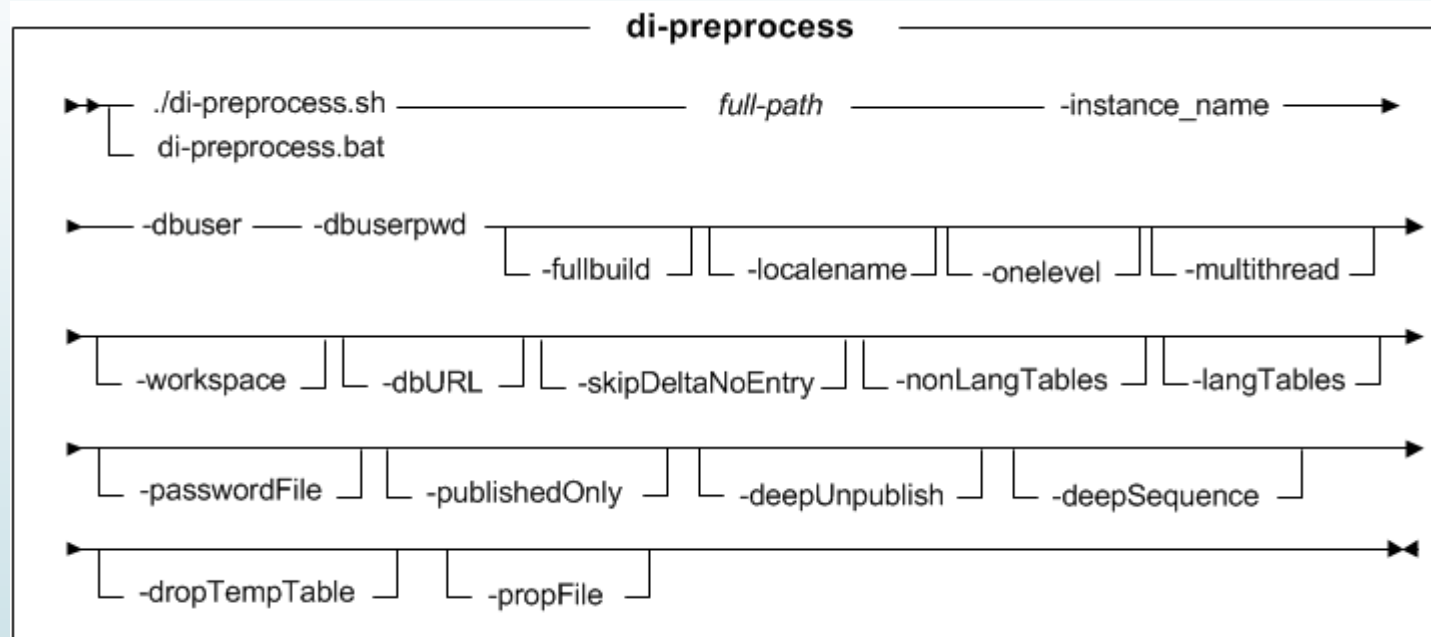
Temporary tables



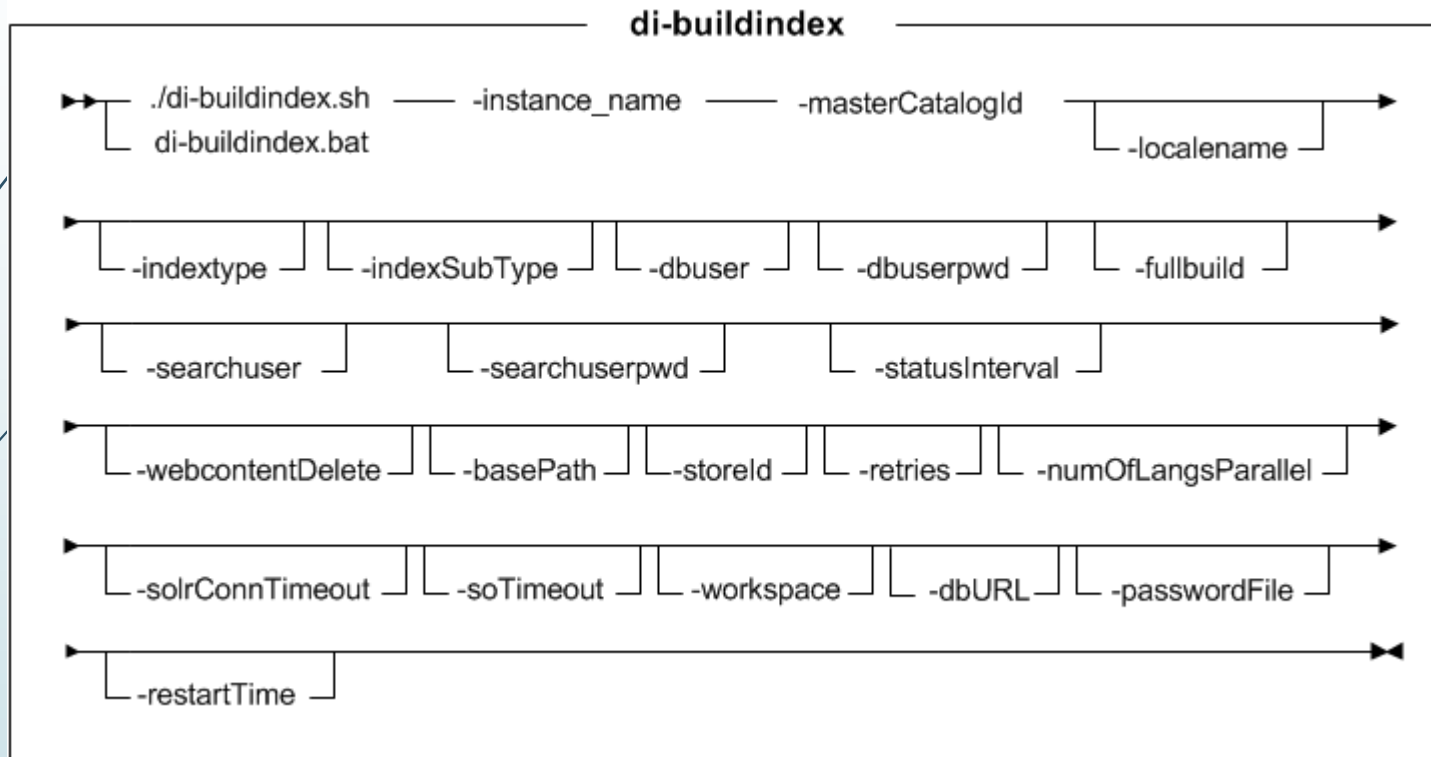
Catentry cores



PREPROCESSOR Query format :



BUILD INDEX Query format :



EXIT CODE :

EXIT CODE : 3

Reason : preprocessor completed with error. Need to follow below steps

After completeing job. Run the below query in stage DB.

If record is found. Truncate the table. And rerun the solr index full job.

Select * from TI_delta_catentry

Select * from TI_delta_catgroup

Delete * from TI_delta_catentry;

Delete * from TI_delta_catgroup;

Commit;

Note - After executed the query don't forget to give the COMMIT.



ERROR HP-ROW NA-G1 (g1t4723c austin hpicorp net) - SolrindexFull job for en_US run completed at Wed 13 Dec 2017 03:04:16 AM UTC failed Exit code Preprocessor 3.msg

Solr

index full completed with exit code : 1

- Reason: Please check in log there is any IO Exception need to restart stage solr server and again need to re run build index manually. Please find the below command for run build index manually.

Example error

(SEVERE: error: IOException occurred when talking to server at:
http://g1t7198.austin.hp corp.net:9084/solr **org.apache.solr.client.solrj.SolrServerException:**
IOException occurred when talking to server at: http://g1t7198.austin.hp corp.net:9084/solr)

- `./di-buildindex.sh -masterCatalogId 10001 -dbuser WCS_EDIT_APP -dbuserpwd **** -instance ETRSTAGE -fullbuild true -localename en_US &`

Need to run above command in /opt/apps/IBM/WebSphere/CommerceServer80/bin locatin (4723 server)



Solar Index, Build Index: 1

- Issue(Connection Time Out Exception) ran the below command manually

Path: /opt/apps/IBM/WebSphere/CommerceServer80/bin/

Command: nohup sh di-buildindex.sh -masterCatalogId 10001 -dbuser WCS_EDIT_APP -dbuserpwd **** -instance ETRSTAGE -localename en_US -fullbuild false -solrConnTimeout 500 &



Solr Count Check:

Live : <http://g1t7195.austin.hplicorp.net:9083/solr/admin/cores>

<http://g2t5181.austin.hplicorp.net:9083/solr/admin/cores>

Stage : <http://g1t7198.austin.hplicorp.net:9084/solr/admin/cores>

<http://g2t5178.austin.hplicorp.net:9084/solr/admin/cores>



EG :

Structured

http://g1t7198.austin.hplicorp.net:9084/solr/MC_10001_CatalogEntry_en_US/select?q=catalogentry_id:694470

Unstructured

http://g1t7198.austin.hplicorp.net:9084/solr/MC_10001_CatalogEntry_Unstructured_en_US/select?q=catalogentry_id:694470



PRICE LOAD



Topics To Be Covered

- DLP Means ?
- Delta/Daily Load Propagation , where jobs were run in Job server (Standalone server) to feed data's into Stager App and web for Data validation before importing it into Live environment .
- Categories
 - Pre ETL
 - ETL
 - Post ETL

What Is Price load?

Price Load takes care of loading the localized sku information, list price, offerprice and image information to the localized skus. This will be sourced from SAPSV Tables hosted in legacy database where MW team will be updating it on a daily basis.

- Source : SAP-SV

- Flow :

SAP-SV → PROD STAG ETL → PROD STAG ETR

SAP to ETL --- > IO68 (Middle ware Team)

ETL to ETR --- > DLP

Sql :

select count(*) from HPSAPSV_PRODUCT_PRICE_LIST where last_mod_time like '26-FEB-17' -->ETL

select pvalue from hp_batchjobparams where job_id=1008 and pname='price.sapsv.processedCount'; -->Stage

To check last update time in ETL : -

select max(ora_rowscn), scn_to_timestamp(max(ora_rowscn)) from HPSAPSV_PRODUCT_PRICE_LIST;

Contact in MW : SAPSV Team

Contact in SAP : suresh.mandapati@hp.com

Wait time : 60 mins

Log : Commerce80/log

Web & Application server usage : No

Impact : latest price wont get update in store

Job commands

Linux Environment

- Go to /opt/apps/PDHDDataLoad/bin directory:
- `nohup sh PriceLoad.sh HP-ROW.NA-G1 MANUAL &`
- or Go to /opt/apps/IBM/WebSphere/CommerceServer80/bin directory
- `nohup sh dataload.sh /opt/apps/PDHDDataLoad/config/Price/wc-dataload.xml -DdataloadParams=" | pdhConfigPath=/opt/apps/PDHDDataLoad/config/WCAadapter,locale=en_US,jobContext=HP-ROW.NA-G1" -DstoreIdentifier="HP_Global_CAS" -DcatalogIdentifier="HP_Global_CAS" &`

Running Full load

- Only Catentry attributes subjob in PriceLoad can be handled for delta or full load cases and rest all subjobs are running in full load mode.
- Update below two parameters in `hp_batchjobparams`
- `price.sapsv.catentryAttr.processedDateFromI19,`
`price.sapsv.catentryAttr.processedDateFromTIBCO` for PriceLoad job_id as 01-JAN-01.

➤ **Attribute Dictionary Master Data Load**

- Description Loads the attribute definitions to WCS by reading the file attr_en_US.properties in the path: `PHDataLoad\config\WCAdapter\mockds\data\modules\price\attrdict`.

➤ Customised Files AttributeDictionaryDataReader, AttrDictDataLoadHelper & AttributeDictionaryMediator

➤ **Catentry Data Load**

- Description Loads the localized sku information from SAPSV Tables which gets populated through MW on daily basis.

➤ Customised Files CatentryDataReader, CatentryDataLoadHelper & CatentryMediator

➤ **Catentry Attribute Dictionary Attributes Data Load**

- Description Loads relationship between catentry and attributes to WCS.

➤ Customised Files CatentryAttrDataReader, CatentryAttrDataLoadHelper & CatentryAttrMediator

➤ **Eligible List price Data Load for US Eligible products (STO) from CORONA**

- Description Loads list price values to STO Products in WCS at US_StoreList tradeposn container level. Currently this subjob is disabled as it is applicable after global pricing model is enabled.

➤ Customised Files ListPriceDataReader & ListPriceDataLoadHelper

➤ **List price Data Load for US Eligible products from SAPSV Tables**

- Description Loads list price values to STO, PGC, VGC, 3PP and Promotional Gift cards in WCS at US_StoreList trade posn container level.

➤ Customised Files ListPriceDataReader & ListPriceDataLoadHelper

➤ **Offer price Data Load**

- Description Loads offer price values to STO, PGC, VGC, 3PP and Promotional Gift cards in WCS at CG_epp,CG_epphp and US_Store ProductsPriceList tradeposn container levels.

➤ Customised Files OfferPriceDataReader & OfferPriceDataLoadHelper

➤ **Attachment Relationship Catentry Data Load**

- Description Copies images data from base sku to localized sku.

➤ Customised Files CatentryAttachmentsDataReader, CatentryAttachmentsDataLoadHelper & CatentryAttachmentMediator

What is PST ?


It is functionality to bring price tag of specific individual catentries to front end rather displaying it in Cart page .

- To display PST price
- Controller command for all customer segment.
 - CG_gs
 - CG_epp
 - CG_epphp
 - CG_gsmpr
 - CG_eppmpr
 - CG_hpeppmpr
- `select count(catentry_id) from xcatentdisprice where lastupdate like '23-MAR-16%';`
- Web & Application server usage : Yes
- Impact : PST price wont display in store
- Ex :

```
wget "http://glbecomtran-ext-  
uat1.houston.hp.com/webapp/wcs/stores/servlet/PriceStrikeSchedulerCmd?storeId=10151&catalogID=10051&langId=-  
1&groupNames=CG_mpr_gs&flagForTommorrow=1"
```

Post PST Validation By Apps Team

Flow Between Price Load And PST

11.00 PM	Price load	Before starting price load make sure ROHS& HHO need to complete
11.40 PM	CTO spec Attr load	
11.45 PM	Enterprise Standard cost for 3PP and GC	
11.45 PM	Hardbundle	
12.00 AM	PLC_BATCH	
12.00 AM	BV Import	Before starting BV make sure need to complete PLC_BATCH
12.03 AM	PLC	Need to schedule after 12.30 in scheduler. Please refer 4 th point below
After PLC need to release PST EST Start Time : 12.15 AM	Pricestrikethrough	After completing PST Need to give validation to APPS  RE PST validation 17 10 2017.msg team




Job Commands

Linux Environment

- Go to /opt/apps/PDHDDataLoad/bin directory:
- nohup sh PriceStrikeThrough.sh HP-ROW.NA-G1 MANUAL &
- For logs Go to
/opt/apps/IBM/WebSphere/CommerceServer80/logs
directory
- Log type ex- "HPPriceStrikeThrough.log.20180308.0806"

Example from store.hp.com

HP Pavilion 15 laptops



Product name

HP Pavilion Laptop - 15z touch

★★★★★ (117) | 1CK61AV_1 | ENERGY STAR

PartNumber

- Windows 10 Home 64
- AMD Quad-Core A10 APU
- 8 GB memory; 1 TB HDD storage
- AMD Radeon™ R5 Graphics

Configuration Specs

Tech spec | See all offers


PST Tag

Starting at ~~\$759.99~~ \$429.99

Price Load Tag

CUSTOMIZE & BUY

Compare



Product name

HP Pavilion 15" Touch Laptop, Sleeve + Mouse Bundle


★★★★★ (0) | Pavilion_15_Sleeve_Kit

- Save \$169.98 instantly!
- HP Pavilion Laptop - 15-cd051nr touch (1KU41U...
- HP 15.6-inch Standard Black Sleeve (H4P40AA#...
- HP Z3700 Red Wireless Mouse (VOL82AA#ABL)

Tech spec | See all offers

~~\$699.99~~ \$529.99

ADD TO CART



Product name

HP Pavilion - 15-cd051nr

★★★★★ (6) | 1KU41UA#ABA | ENERGY STAR

- Windows 10 Home 64
- AMD Quad-Core A-Series processor
- 8 GB memory; 1 TB HDD storage
- AMD Radeon™ R7 Graphics (up to 4.23 GB)

Tech spec | See all offers

~~\$649.99~~ \$549.99

Ships within 1 business day

ADD TO CART

Compare

Feedback?

store.hp.com/us/en/ndc/hp-pavilion-15-touch-laptop--sleeve--mouse-bundle-pavilion-15-sleeve-kit

Issues Faced

- Price Load job – MW fails to load HPSAPSV_PRODUCT_PRICE_LIST and an IM is raised.



RE PriceFeed Update and Received to ETR - DEC 24.msg

- PST Issue – Dependency files count will be static , so we will engage with DLP team .
- Most of the issues will be with Private store recently we faced and XCATENDIS--- Table will be updated likely.