

# Skills 101 - SharePlex

## Episode 3

First 80 Hours as a SharePlex  
Administrator

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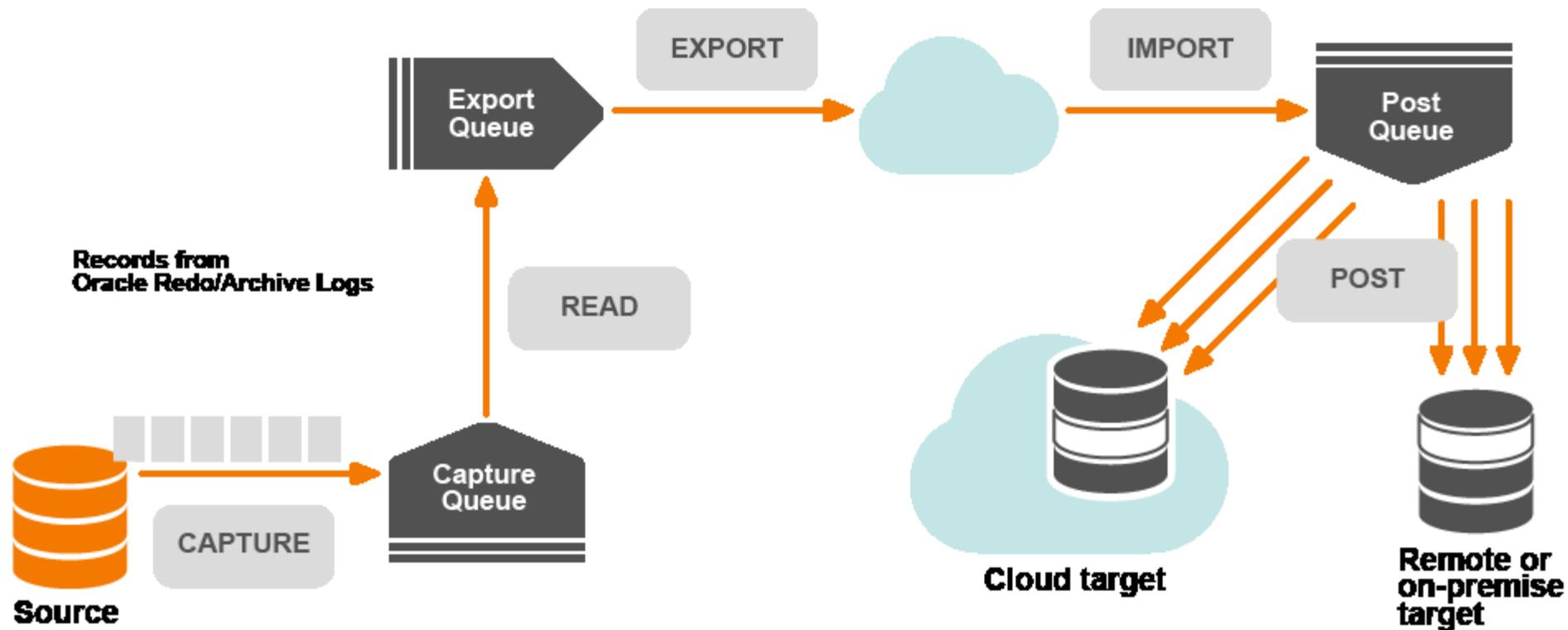


# Agenda

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- SharePlex Processes
- Documentation Resources
- Monitor your replication
- SharePlex Parameters

# SharePlex Processes



# Documentation Resources

- SharePlex Technical Documentation  
<https://support.quest.com/shareplex/11.4/technical-documents>

The screenshot shows the Quest Support Portal interface. At the top, the Quest logo is on the left, and navigation links for Products, Solutions, Resources, Services, Support, Trials, Partners, and Communities are in the center. On the right, there are search and user profile icons. Below this is a dark navigation bar with 'Support Portal' on the left and 'My Downloads (0)' on the right. The main content area has a breadcrumb trail: Home > Support > Technical Documentation > SharePlex. The title 'SharePlex - Technical Documentation' is prominently displayed. Below the title, there is a filter instruction: 'Filter to locate your release notes, guides or manuals (Choose different product)'. Two dropdown menus are present: one for the product version (set to '11.4 (Latest Product Model/Version)') and one for 'Filter by Document Type'. A text prompt says 'Browse below by document title to locate, download or read online relevant product information'. Under the heading 'Release Notes', there is a link for 'SharePlex 11.4 Release Notes' with an information icon and a 'view pdf' button. Under the heading 'Administration Guide', there is a link for 'SharePlex 11.4 Administration Guide' with an information icon and a 'view pdf' button. A left sidebar contains various self-service tools like Knowledge Base, My Account, and Technical Documentation.

Quest

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Support Portal

My Downloads (0)

Home > Support > Technical Documentation > SharePlex

## SharePlex - Technical Documentation

Filter to locate your release notes, guides or manuals [\(Choose different product\)](#)

11.4 (Latest Product Model/Version) ▾ Filter by Document Type ▾

Browse below by document title to locate, download or read online relevant product information

### Release Notes

[SharePlex 11.4 Release Notes](#) ⓘ [view pdf](#)

### Administration Guide

[SharePlex 11.4 Administration Guide](#) ⓘ [view pdf](#)

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**Self Service Tools** ^

- Knowledge Base
- My Account
- Notifications & Alerts
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- Software Downloads
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- User Forums
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- RSS Feed

# Documentation Resources

- SharePlex Knowledge Base  
<https://support.quest.com/shareplex/kb>

The screenshot displays the Quest SharePlex Knowledge Base search interface. At the top, there is a navigation bar with the Quest logo and various menu items like Products, Solutions, Resources, Services, Support, Trials, Partners, and Communities. A search bar and user profile icon are on the right. Below the navigation, the breadcrumb trail shows 'Support > Knowledge Base > SharePlex'. The main heading is 'SharePlex - Knowledge Base'. On the left, there are filter sections for 'Category' (Technical Documentation, Knowledge Articles), 'Product Version' (11.4, 11.3, 11.2, 11.1, More), and 'Topic' (Configuration, How To). The search bar contains the text 'invalid column' and has a search button and a 'Clear' button. Below the search bar, there are links for 'Advanced Queries' and 'Increase Your Search IQ'. The search results are displayed in a table with columns for 'Date', 'Relevance', and 'Views'. The first result is for an ORA-904 error, with a 'Product(s): SharePlex' and 'Last Updated On: 11/15/2023'. The second result is for an error on a target, with a 'Cause' description and 'Product(s): SharePlex' and 'Last Updated On: 5/7/2023'. On the right side, there is a 'Search All Products' section and a 'Self Service Tools' section with links to Knowledge Base, My Account, Notifications & Alerts, Product Support, Software Downloads, Technical Documentation, User Forums, Video Tutorials, and RSS Feed. Below that is a 'My Account' section with links to My Groups, My License Assets, My Products, My Profile, My Cases, and My Warranty Assets. At the bottom right, there is a 'Contact Us' section with links to Technical Support and View All.

# Documentation Resources

- SharePlex Support  
<https://support.quest.com/>

The screenshot displays the Quest Support website interface. At the top, the Quest logo is on the left, and navigation links for Products, Solutions, Resources, Services, Support, Trials, Partners, and Communities are in the center. A search icon and a user profile icon are on the right. Below the navigation, the main content area features the text "Quest Support" and a search prompt "Enter your product to find support" with an input field. Below the input field, it lists "Your recently viewed products: SharePlex, SharePlex Manager, Foglight". At the bottom, there are three main sections: "Knowledge Base" (Troubleshoot your issue), "User Forums" (Connect with your peers), and "Download Software" (Download software). The "Support" menu is open, showing a list of options: Support Home, By Product, Contact Support, Download Software, Knowledge Base, My Account, Policies & Procedures, Consulting Services, Technical Documentation, Educational Services, User Forums, and Video Tutorials. On the right side of the menu, there are additional options: Contact Us, Customer Service, Licensing Assistance, Renewals Assistance, and Technical Support. A "My Downloads (0)" link is also visible on the right.

# Monitor Your Replication: Processes

## Command

show

```
sp_ctrl (ptysupl6:61927)> show
```

Process	Source	Target	State	PID
Capture	o.PDB19		Running	26896
Read	o.PDB19		Running	26906
Export	exp-order	ptysupl7	Running	26930
Export	exp-product	ptysupl7	Running	26931
Export	exp-common	ptysupl7	Running	26932

# Monitor Your Replication: Processes

Command	
Istatus	<pre> sp_ctrl (ptysupl6:61927)&gt; lstatus  Detailed Status for ptysupl6 Process                State                PID      Running   Since -----                - Cop                    Running              13130    04-Oct-24 19:18:27 Cmd &amp; Ctrl              Running              13147    04-Oct-24 19:18:34   Data/Host:            wrongname6 Capture                Running              26896    04-Oct-24 19:40:30   Data/Host:            o.PDB19 Read                   Running              26906    04-Oct-24 19:40:31   Data/Host:            o.PDB19 Export                  Running              26930    04-Oct-24 19:40:33   Data/Host:            ptysupl7   Queue Name:           exp-order Export                  Running              26931    04-Oct-24 19:40:33   Data/Host:            ptysupl7   Queue Name:           exp-product Export                  Running              26932    04-Oct-24 19:40:33   Data/Host:            ptysupl7   Queue Name:           exp-common  Queues: Type      # Msgs   Size (Mb)  Age (mn)  Oldest Msg Time  Newest Msg Time ----- Capture   90       1          0 04-Oct-24 19:42:15 04-Oct-24 19:42:15   Queue Name: o.PDB19 Export    745      1          0 04-Oct-24 19:42:03 04-Oct-24 19:42:15   Queue Name: exp-order Export     0        1          0 04-Oct-24 19:40:33 04-Oct-24 19:40:33   Queue Name: exp-product Export    784      1          0 04-Oct-24 19:42:03 04-Oct-24 19:42:15   Queue Name: exp-common  System is used as a source machine Replication Configurations:  Replication active from "spl01-01.cfg", actid 181, for database o.PDB19 since 04-Oct-24 19:40:30 </pre>

# Monitor Your Replication: Queues

## Command

qstatus

```
sp_ctl (ptysup16:61927)> qstatus

Queues Statistics for ptysup16
Name:  o.PDB19 (Capture queue)
  Number of messages:      46 (Age      0 min; Size      1 mb)
  Backlog (messages):      0 (Age      0 min)

Name:  exp-order (Export queue)
  Number of messages:      254 (Age     0 min; Size      5 mb)
  Backlog (messages):      0 (Age     0 min)

Name:  exp-product (Export queue)
  Number of messages:       0 (Age     0 min; Size      1 mb)
  Backlog (messages):       0 (Age     0 min)

Name:  exp-common (Export queue)
  Number of messages:     1218 (Age     0 min; Size      5 mb)
  Backlog (messages):       0 (Age     0 min)
```

# Monitor Your Replication: Queues

## Command

qstatus detail

```

sp_ctrl (ptysupl7:61927)> qstatus detail

Queues Statistics for ptysupl7
Name:  pst-comon (o.PDB19-o.PDB19) (Post queue)
  Number of messages:      0 (Age      0 min; Size      4 mb)
  Backlog (messages):      0 (Age      0 min)

  Memory:
    Total queue buffers:    1016      Buffers available:    1001
    Messages written:       84606     Writes to disk:       115
    Messages read:          84607     Reads from disk:      0

Name:  pst-product (o.PDB19-o.PDB19) (Post queue)
  Number of messages:      0 (Age      0 min; Size      1 mb)
  Backlog (messages):      0 (Age      0 min)

  Memory:
    Total queue buffers:    1018      Buffers available:    1017
    Messages written:        4         Writes to disk:        1
    Messages read:           5         Reads from disk:       0

Name:  pst-order (o.PDB19-o.PDB19) (Post queue)
  Number of messages:      0 (Age      0 min; Size      3 mb)
  Backlog (messages):      0 (Age      0 min)

  Memory:
    Total queue buffers:    1016      Buffers available:    1003
    Messages written:       79763     Writes to disk:        96
    Messages read:          79764     Reads from disk:       0

```

# Monitor Your Replication: Log files

- SharePlex log files are located under the \$SP\_SYS\_VAR\_DIR/log directory

event_log	General events and alerts
*ocap	Capture related events. E.g. of the file names for the o.PDB19 source:  o.PDB19_ocap01.log o.PDB19_ocap_ddl_01.log
*order	Read related events. E.g. of the file names for the o.PDB19 source:  o.PDB19_ord01.log o.PDB19_ord_ddl_01.log
*xport	Export related events. The file name will contain the queue name and the target name. E.g. of the file names:  exp-order_ptysupl7_xport01.log

# Monitor Your Replication: Log files

*opo	Post for Oracle target related events. The file name will contain the queue name. E.g.  o.PDB19_pst-order_opo01.log o.PDB19_pst-order_opo_ddl_01.log
*xpst	Post for Open target related events. The file name will contain the queue name.
desrv* declt*	Compare/Repair related events. The desrv will be generated on the source and the declt on the target. It will also contains the Job ID. E.g. for job id 1:  desvr_1_o.PDB19_p17541.log declt_1_o.PDB19_a011635_p17187.log

# Monitor Your Replication: Log files

- You can also access the log files in the `sp_ctrl` console with the `show log` command
  - The `show log` command will show you the `event_log` entries
  - There is a `show log <process name>` command for each process

```
sp_ctrl (ptysupl7:61927)> show log post for o.PDB19 queue pst-order

opo      2024-10-04 18:40:33.935585 21829 1279440832 debug for STAB = 0x0
opo      2024-10-04 18:40:33.935588 21829 1279440832 Set debug for transactions to 0x0
opo      2024-10-04 18:40:33.935591 21829 1279440832 Set debug for RBFIX to 0x0
opo      2024-10-04 18:40:33.935594 21829 1279440832 Set debug for transactions to 0x0
opo      2024-10-04 18:40:33.935598 21829 1279440832 debug for LONG = 0x0
opo      2024-10-04 18:40:33.935600 21829 1279440832 debug for OPST_COM = 0x0
opo      2024-10-04 18:40:33.935603 21829 1279440832 Set debug for SQL_LCACHE to 0x0
opo      2024-10-04 18:40:33.935606 21829 1279440832 Set debug for UDT to 0x0
opo      2024-10-04 18:40:33.935616 21829 1279440832 Set debug for SIGWAIT to 0x0
opo      2024-10-04 18:40:33.935619 21829 1279440832 Set debug for BLOCK to 0x0
opo      2024-10-04 18:40:33.935622 21829 1279440832 Set debug for BLOCK to 0x0
opo      2024-10-04 18:40:33.935625 21829 1279440832 Set debug for SQL_THREAD to 0x0
opo      2024-10-04 18:40:33.935628 21829 1279440832 Set debug for SYNCOP to 0x0
opo      2024-10-04 18:40:33.935630 21829 1279440832 Set debug for TIMEKEEPER to 0x0
opo      2024-10-04 18:40:33.935634 21829 1279440832 debug for PRESCAN = 0x0
post_log (15/60)

Press ENTER for next page, q to return to sp_ctrl command line.
q
```

# Monitor Your Replication: Trace commands

- The trace command will collect statistics from a process and create a trace file that will contain a summary of the tasks the process was running and the time consumed. E.g. To run a trace for the Post process for the pst-order queue for 5 minutes:

```
trace post queue pst-order 5
```

# Monitor Your Replication: Trace commands

```

POST TRACE: Started: Fri Oct 4 18:49:39 2024
Completed: Fri Oct 4 18:54:40 2024

Summary
-----
Rate (operations/sec)                47.9
Transaction rate (transactions/sec)   9.9
Average transaction size              4.8

Elapsed time                          5:01

Transaction mix                        Rollback mix
-----
Operations processed                  14409
Transactions processed                2986
Transactions merged (commit reduction) 429
Transactions <= 2                    653
Transactions > 10000                 0
Largest transaction                  17
Keycache used                         2681
Keycache needed                       0
Lob changes applied in row            0
Lob changes applied out of row        0

Operations processed                  14409
Transactions processed                2986
Transactions merged (commit reduction) 429
Transactions <= 2                    653
Transactions > 10000                 0
Largest transaction                  17
Keycache used                         2681
Keycache needed                       0
Lob changes applied in row            0
Lob changes applied out of row        0

Rollback transactions                 0
Rollback transactions <= 2           0
Rollback transactions > 10000        0
Largest rollback transaction         0
Rollback transaction operations processed 0
Rollback transaction operations skipped 0
Transactions with partial rollbacks    0
Partial rollback operations processed   0
Partial rollbacks                     0

Time spent in main thread
-----
Idle                                  4:58 99%

Total time spent in Sql threads
-----
Time spent on SHAREPLEX_TRANS table   0:01
Oracle execute                        0:04
Oracle commit                          0:16

Session      Oracle execute      Oracle commit
-----
2            0:00                0:02
3            0:00                0:02
4            0:00                0:02
5            0:00                0:02
6            0:00                0:02

Detail
-----
Operation      Number Executions      Cost
              Count Pct      Seconds Pct
-----
Insert         9103 52%           3 14%
Update         3636 20%           0  4%
Commit         2986 17%          16 80%
Batch Insert   1590  9%           0  0%

Operation      Table                  Avg(microsec)      Count      Total(sec)
-----
Insert         "SP101"."ORDERS"       365                2681        0
Insert         "SP101"."ORDER_ITEMS" 320                6502        2
Update         "SP101"."ORDER_ITEMS" 345                 223         0
Update         "SP101"."ORDERS"      239                 3413        0
Commit
Batch Insert   "SP101"."ORDER_ITEMS" 111                 1590        0
    
```

# Monitor Your Replication: Capture

- The *show capture* command will show the information on the capture process.

```
sp_ctrl (ptysup16:61927)> show capture detail
Host: ptysup16      System time: 04-Oct-24 19:43:52

Source              Status              Operations
                   |                   | Captured Since
-----|-----|-----
o.PDB19            Running            13439 04-Oct-24 19:40:30

Oracle current redo log          : 5299
Capture current redo log         : 5299
Capture log offset                : 53282320
Last change processed:
    Operation on "SP101"."INVENTORIES" at 10/04/24 19:43:50

Capture state                    : Processing
Activation id                    : 181
Error count                      : 0
Operations captured              : 13439
Transactions captured            : 2176

Concurrent sessions              : 1
HWM concurrent sessions          : 11
Checkpoints performed            : 3
Total operations processed        : 13696
Total transactions completed      : 2434
Total Kbytes read                : 0

Redo records in progress         : 1
Redo records processed           : 124421
Redo records ignored             : 110542
Redo records - last HRID        : AAAYkXAAMAABEdaACB
```

# Monitor Your Replication: Read

- Any issues with the Read process will be reflected in an increase of the number of backlog messages on the **Capture queue**. You can verify this using the `qstatus` command and checking the backlog number

```
sp_ctrl (ptysupl6:61927)> qstatus

Queues Statistics for ptysupl6
Name:  o.PDB19 (Capture queue)
  Number of messages:      46 (Age      0 min; Size      1 mb)
  Backlog (messages):      0 (Age      0 min)
```

# Monitor Your Replication: Read

---

- You can monitor the Read process with *show read* command. If you use the *show read internal* command, this will show you a more complete set of information.
- One of the most common issues of Read slowness is that is going into Pass 2 due to missing the key information for an operation. Read will need to query this information on the database, slowing down the process.
- Pass 2 can be caused by not having Supplemental logging enabled for the key columns.

# Monitor Your Replication: Read

```
sp_ctrl (ptysupl6:61927)> show read internal

Host: ptysupl6

Source      Status      Operations
           Forwarded Since      Total      Backlog
-----
o.PDB19     Running..   16004 04-Oct-24 19:40:31      44      0

Last operation forwarded:
Redo log: 5299      Log offset: 55920144
INSERT in "SP101"."LOGON" at 10/04/24 19:44:11
SCN : 658041857

Read state           : Processing, pass1
Activation id        : 181
Snapshot too old count : 0
Number of pass cycles : 144
Operations in last pass : 0
Peak operations in a pass : 349

Operations forwarded : 16004
Transactions forwarded : 2581

Full rollbacks       : 209
Full rollback operations skipped : 207

Updates with complete key : 5466
Updates with key in cache : 0
Updates with key from Oracle : 0

Cursor cache hit count : 0
Cursor cache miss count : 0
Number of open cursors : 0

Number of active batches : 0
Batch message total      : 2486
```

# Monitor Your Replication: Export / Import

- Using *show export detail* on the source, you can obtain information on the network transmission rates between the Export and Import.

```

sp_ctrl (ptysup16:61927)> show export detail

Host      : ptysup16
Queue     : exp-order

Target    Status      Kbytes
-----  -
Exported  Since      Total    Backlog
-----  -
ptysup17  Running     6732 04-Oct-24 19:40:33 5204 0

Since activated
Transmission rate      : 19 KB/sec
Highest transmission rate : 27 KB/sec Fri Oct 4 19:44:03 2024
Average packet size    : 453 bytes
Average send time      : 8 microseconds

Since export started
Transmission rate      : 19 KB/sec
Highest transmission rate : 27 KB/sec Fri Oct 4 19:44:03 2024
Average packet size    : 453 bytes
Average send time      : 8 microseconds
Largest deviation from average : 355 microseconds
Send times deviating by more than 50% : 24.9%

During the last 15 seconds:
Transmission rate      : 26 KB/sec
Average packet size    : 454 bytes
Number of packets      : 908
Average send time      : 7 microseconds

```

# Monitor Your Replication: Post

---

- To monitor the Post process, *show post* and *qstatus* are often used to verify if there are backlogs.
- You can also get information on the sessions and the SQL statements executed with the *show post sessions* and *show sql* commands.
- All three commands accept the *queue <qname>* option to show a specific queue information.

# Monitor Your Replication:

```
sp_ctrl (ptysupl7:61927)> show post detail queue pst-comon

Host      : ptysupl7
Source    : o.PDB19      Queue : pst-comon

-----
Target    Status          Operations
          Posted Since          Total      Backlog
-----
o.PDB19   Running         11526 04-Oct-24 18:40:33          9          0

Last operation posted:
Redo log: 5299          Log offset: 67350144
UPDATE of "SP101"."INVENTORIES" at 10/04/24 19:45:43

Last transaction posted:
Redo log: 5299          Log offset: 67379416
SCN: 658048998         Source time: 10/04/24 19:45:43

Post state                : Waiting
Activation Id             : 181
Number of messages read released : 0

Number of threads         : 11
Number of Oracle connections : 12
Concurrency (Active sessions) : 0
Peak number of sessions   : 11

Operations posted         : 11526
Transactions posted       : 3147

Full rollbacks           : 366
Full rollback operations posted : 0
Rollback operations skipped : 2

Transactions <= 2        : 483
Transactions > 10000     : 0
Largest transaction      : 17

Insert operations         : 5187
Update operations         : 6337
Delete operations         : 0

Insert batch operations / average : 0 / 0 rows
Update batch operations / average : 638 / 2 rows
Delete batch operations / average : 0 / 0 rows

Other operations          : 2
Lob changes               : 0

Key cache hit count       : 0
SQL cache hit count       : 99 %
```

# Monitor Your Replication: Post

```
sp_ctrl (ptysupl7:61927)> show post sessions detail queue pst-order
```

Session Number	Session Status	Pending Messages	Operations Done	Number of Transactions	RB Ops Skipped	SID/InstID	Thread ID
2	Waiting	0	2	883	0	38/1	3
4	Waiting	0	4	866	0	29/1	8
5	Waiting	0	5	885	0	289/1	5
8	Waiting	0	5	880	0	57/1	4
9	Waiting	0	8	212	0	274/1	9
10	Waiting	0	3	69	0	285/1	11
3	Committe	0	0	877	0	284/1	7
6	Committe	0	0	887	0	303/1	2
7	Committe	0	0	866	0	268/1	10
11	Committe	0	0	16	0	58/1	6
12	Committe	0	0	4	0	298/1	0

# Monitor Your Replication: Post

```

sp_ctrl (ptysup17:61927)> show sql queue pst-order
Last SQL statement of queue pst-order and instance o.PDB19-o.PDB19 on ptysup17

Thread  Session
-----  -----
   0         0
/
Thread is initializing : No SQL available yet.

Thread  Session
-----  -----
   3         2
/
insert into "SP101"."ORDER_ITEMS" ("ORDER_ID","LINE_ITEM_ID","PRODUCT_ID","UNIT_PRICE","QUANTITY","GIFT_WRAP","CONDITION","ESTIMATED_DELIVERY") values (:V001,:V002,:V003,:V004,:V005,:V006,:V007,:V008) RETURNING ROWID INTO :RID

Thread  Session
-----  -----
   7         3
/
insert into "SP101"."ORDER_ITEMS" ("ORDER_ID","LINE_ITEM_ID","PRODUCT_ID","UNIT_PRICE","QUANTITY","GIFT_WRAP","CONDITION","ESTIMATED_DELIVERY") values (:V001,:V002,:V003,:V004,:V005,:V006,:V007,:V008) RETURNING ROWID INTO :RID

Thread  Session
-----  -----
   8         4
/
insert into "SP101"."ORDER_ITEMS" ("ORDER_ID","LINE_ITEM_ID","PRODUCT_ID","UNIT_PRICE","QUANTITY","GIFT_WRAP","CONDITION","ESTIMATED_DELIVERY") values (:V001,:V002,:V003,:V004,:V005,:V006,:V007,:V008) RETURNING ROWID INTO :RID

Thread  Session
-----  -----
   5         5
/
insert into "SP101"."ORDER_ITEMS" ("ORDER_ID","LINE_ITEM_ID","PRODUCT_ID","UNIT_PRICE","QUANTITY","GIFT_WRAP","CONDITION","ESTIMATED_DELIVERY") values (:V001,:V002,:V003,:V004,:V005,:V006,:V007,:V008) RETURNING ROWID INTO :RID

Thread  Session
-----  -----
   2         6
/
update "SP101"."ORDERS" t set "ORDER_STATUS"=:V001 where rownum = 1 and "ORDER_ID"=:V002 and "ORDER_STATUS"=:V003

Thread  Session
-----  -----
  10         7
/
insert into "SP101"."ORDER_ITEMS" ("ORDER_ID","LINE_ITEM_ID","PRODUCT_ID","UNIT_PRICE","QUANTITY","GIFT_WRAP","CONDITION","ESTIMATED_DELIVERY") values (:V001,:V002,:V003,:V004,:V005,:V006,:V007,:V008) RETURNING ROWID INTO :RID

Thread  Session
-----  -----
   4         8
/
insert into "SP101"."ORDER_ITEMS" ("ORDER_ID","LINE_ITEM_ID","PRODUCT_ID","UNIT_PRICE","QUANTITY","GIFT_WRAP","CONDITION","ESTIMATED_DELIVERY") values (:V001,:V002,:V003,:V004,:V005,:V006,:V007,:V008) RETURNING ROWID INTO :RID

```



# SharePlex Parameters

- Each SharePlex process is highly configurable with the use of parameters.

You can review the most common parameters with the command *list param*. Using the *modified* option will provide the output for the parameters that are not in their default value

```
sp_ctrl (ptysupl6:61927)> list param modified
```

## Control Process parameters:

Parameter Name	Actual Value	Units	Set At
SP_COP_TPORT	61927		Restart Cop
Default Value:	2100		
SP_COP_UPORT	61927		Restart Cop
Default Value:	2100		

## Compare/Repair parameters:

Parameter Name	Actual Value	Units	Set At
SP_DEQ_COPY_CHECK_ROWS	2147483640		Live
Default Value:	200000		

## Oracle Capture parameters:

Parameter Name	Actual Value	Units	Set At
SP_OCI_OLOG_QUEUE_SIZE	32768	# Queue	Restart Process
Default Value:	16384		
SP_OCI_OPS_QUEUE_SIZE	16384		Restart Process
Default Value:	8192		

## Support Library parameters:

Parameter Name	Actual Value	Units	Set At
SP_OSP_DEBUG	0xffffffff	bitflag	Live
Default Value:	0x00000000		

## System parameters:

Parameter Name	Actual Value	Units	Set At
SP_SYS_LIC_32634	E1BMVCRA6JXH267AQVM6HA4WKKKDM2TKWM:Q		Install
SP_SYS_LIC_44862	DGTQXR0MXFYAPT643B0ZQNMG4S3TYY4UJ1:Q		Install
SP_SYS_NETWORK_SECURITY	OLD		Restart Cop
Default Value:			
SP_SYS_SPM_UNIX_TIME	1	boolean	Restart Process
Default Value:	0		

```
sp_ctrl (ptysupl6:61927)>
```

# SharePlex Parameters

---

- To modify a parameter, you will use the *set param <parameter> <value>* command.

```
set param SP_OPO_COMMIT_REDUCE_MSGS queue pst-common 10000
```

- On Post parameters, you can specify the Post queue name so it only applies to that particular Post queue.
- Some parameters can be modified live, while others will require to restart the process or SharePlex to take effect. The output of the *list param* command shows which

# SharePlex Parameters

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- These are the most common modified parameters for performance. It is highly recommended to review the reference guide for more information or to open a support case for advice on how to implement them

## Capture

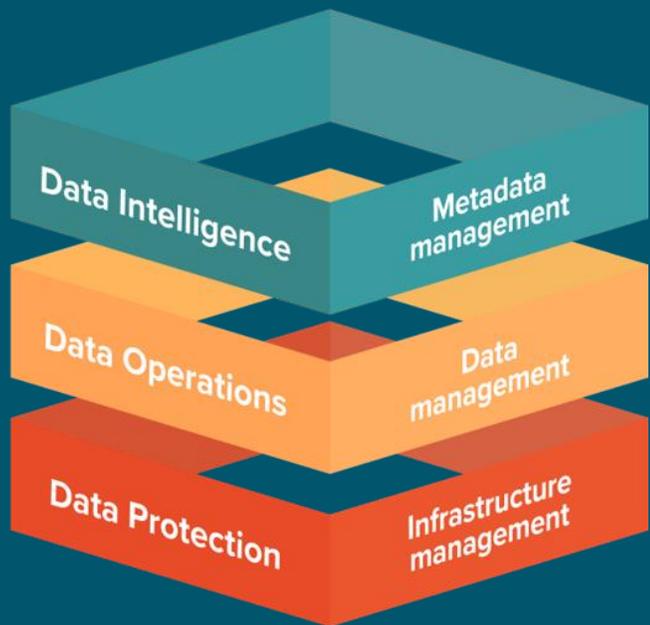
- SP\_OCT\_ASM\_MULTI\_OCI
- SP\_OCT\_CHECKPOINT\_FREQ
- SP\_OCT\_OLOG\_QUEUE\_SIZE
- SP\_OCT\_OPS\_QUEUE\_SIZE

## Post

- SP\_OPO\_DEPENDENCY\_CHECK
- SP\_OPO\_COMMIT\_REDUCE\_MSGS
- SP\_OPX\_COMMIT\_REDUCE\_MSGS

## Queue

- SP\_QUE\_POST\_SHMSIZE
- SP\_QUE\_Q\_SHMSIZE



# Thank You

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12/11/2024

Gaby Saavedra