

# HP Vertica Analytics Platform 6.1.x Release Notes

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## Contents

- [New Release: HP Vertica 6.1 SP3 Release Notes](#)
- [HP Vertica 6.1 SP2 Release Notes](#)
- [HP Vertica 6.1 SP1 Release Notes](#)
- [HP Vertica 6.1.0 Release Notes](#)

## HP Vertica 6.1 SP3 Release Notes

- [What's New in HP Vertica 6.1 SP3](#)
- [Resolved Issues in HP Vertica 6.1 SP3](#)

### What's New in HP Vertica 6.1 SP3

Significant changes introduced in 6.1 SP3 are described below. To see a complete list of additions and changes introduced in this release, refer to the *HP Vertica 6.1.x New Features Guide*.

#### Hadoop Connector supports MapR

The HP Vertica Hadoop Connector now works with MapR. See the document, *HP Vertica 6.1.x Supported Platforms*, for specific details of which version of MapR have been tested with the HP Vertica Hadoop Connector.

#### Improved Performance When a Node Fails

HP Vertica 6.1 SP3 provides performance optimization when cluster nodes fail by distributing the work of the down nodes uniformly among available nodes throughout the cluster.

#### New MC System-Level Charts

Management Console 6.1 SP3 introduces new system-level activity charts to help identify issues related to resources used on individual cluster nodes, such as system memory and bottlenecks. See the following topics in the HP Vertica Administrator's Guide:

- Monitoring System Memory Usage
- Monitoring System Bottlenecks
- Monitoring User Sessions

## Resolved Issues in 6.1 SP3

### Resolved issues in 6.1 SP3

Issue	Component	Description
VER-27065	Catalog Engine	Running GET_NODE_DEPENDENCIES() on temporary tables that have pinned projections caused the database to fail. This issue has been resolved.
VER-27699	Client Drivers - ADO	HP Vertica's ADO.net driver incorrectly converted double values for some locales. This issue has been resolved.
VER-27863	Client Drivers - JDBC	Two threads concurrently executing and reading a ResultSet on the same connection could cause a hang. This issue has been resolved.
VER-23201	Client Drivers - ODBC	The 32-bit Vertica ODBC drivers did not include the Microsoft Visual C++ package, which is required for the drivers to function properly. This issue has been resolved.
VER-26318	Client Drivers - ODBC	For some locales, the ODBC drivers could incorrectly convert double values, or throw an exception during the attempted conversion. This issue has been resolved.
VER-26614	Communications/messaging	Network contention between concurrent queries could prevent some queries from progressing. This issue has been resolved.
VER-27951	DDL - Projection	Additional ORDER BY columns were added to projections created with CREATE TABLE AS. This issue has been resolved.
VER-28006	Data Removal - Delete, Purge, Partitioning	PURGE operations failed when they encountered temporary tables. This issue has been resolved.
VER-25493	Data load / COPY	INSERT SELECT statements into external tables with fixed columns caused a node to fail. This issue has been resolved.
VER-27648	Front end - Parse & Analyze Data load / COPY	When users included unsupported column-identifying syntax as part of a COPY statement, the node could fail. This issue has been resolved.
VER-27387	Execution Engine	Queries using a SQL Macro as an argument in other functions and aggregates could return incorrect results or cause node failure. This issue has been resolved.
VER-28440	Execution Engine	Queries containing multiple analytic functions on different partition keys showed different results for one of the analytics depending on the order of the analytic function in the SELECT statement. This issue has been resolved.

### Resolved issues in 6.1 SP3

Issue	Component	Description
VER-27082	Front end - Parse & Analyze	Using NULLIF with aggregate functions sometimes produced incorrect results. This issue has been resolved.
VER-28522	Front end - Parse & Analyze	Empty or invalid hints could cause the node or cluster to fail. This issue has been resolved.
VER-27421	Installation Program	Some operating systems use group names that affect the output of a standard df command, resulting in an error. This issue has been resolved.
VER-28069	Installation Program	The HP Vertica installer did not correctly install spread on the subnet specified during the installation. This issue has been resolved.
VER-24302	ResourceManager	Mutex lock order violations sometimes caused a failure. This typically occurred when QUEUE_TIMEOUT was set to NONE. This issue has been resolved.
VER-25901	SDK	User-defined analytic functions in fenced mode sometimes caused HP Vertica to fail. This issue has been resolved.
VER-27639	Security	Parsing a syntactically incorrect HP Vertica LDAP URL did not return an error and could cause server failure. This issue has been resolved.
VER-28709	Security	The LDAP string sometimes did not properly set up LDAP authentication. This issue has been resolved.
VER-26745	Storage and Access Layer	Internal mechanisms dropping and recreating objects out of order of dependencies during object-level restore could cause node failure. This issue has been resolved. The backup process was not affected and old backups remain valid.
VER-27776	Tuple Mover	Operating system errors could occur during create DVROSS operations (including TM moveouts or delete /*+direct*/ statements) for partition-based storage policies on mounted storage devices. This issue has been resolved.
VER-27638	UI- Management Console	This release includes a change to Management Console required for the HP Vertica Solo single-node AMI.

# HP Vertica 6.1 SP2 Release Notes

- [What's New in HP Vertica 6.1 SP2](#)
- [Resolved Issues in HP Vertica 6.1 SP2](#)
- [Known Issues in HP Vertica 6.1 SP2](#)

## What's New in HP Vertica 6.1 SP2

Significant changes introduced in 6.1 SP2 are described below. To see a complete list of additions and changes introduced in this release, refer to the *HP Vertica 6.1.x New Features Guide*.

### Expanded Community Edition (CE) Functionality

The Vertica 6.1 SP2 Community Edition (CE) now includes all of the features included in the Enterprise Edition (EE). Vertica CE and EE users download the same server RPM, which is installed with the CE license already applied. The CE license restricts users to 1 TB of data and no more than 3 nodes. Enterprise Edition users must apply their EE license to use Vertica without the CE node/data size limit.

### Vertica Management Console (MC) Changes

In Vertica 6.1 SP2, the MC has been completely re-architected to improve performance and stability and to reduce disk space requirements. Significant changes are:

- MC no longer requires a dedicated server; you can now install MC on any node in your Vertica cluster.
- New MC charts have been added, and others have been improved.
- MC can now automatically discover existing Vertica clusters.
- Community Edition users and customers running Vertica 6.1.2 on Amazon Web Services (AWS) can now install and use Vertica MC.

### R Language Pack

In Vertica 6.1 SP2, the R Language Pack now uses R 3.0. All included R packages now support R 3.0. If you have manually installed additional R packages, then consult the *Upgrading HP Vertica* section of the *HP Vertica 6.1.x Installation Guide* for details on updating your packages to R 3.0.

## Resolved Issues in HP Vertica 6.1 SP2

### Fixed issues in HP Vertica 6.1 SP2

Issue	Component	Description
VER-21192	Admin Tools	The install_vertica script fails to complete after passing broadcast network IP addresses to the -S parameter (to run Spread on a separate control network).
VER-25760	Admin Tools Backup/DR	Backup failed due to a license grace period warning. This issue has been resolved.
VER-26206	Backup/DR	In previous releases, the vbr.py option to create local backups with hard file links was limited to internal Vertica use only. In Vertica 6.1 SP2, we've documented how to use local backups with hard file links, and the vbr.py option is now supported for all customers.
VER-26642	Client Drivers - JDBC	The JDBC driver generated a query with a syntax error when Statement.setMaxRows() was used with a CREATE TABLE AS ... SELECT statement. This issue has been resolved.
VER-26613	Client Drivers - ODBC	Issues occurred with metadata performance when using the DataStage ETL tool. These issues were due to the ODBC SQLStatistics query, which was expensive on systems with large catalogs due to excessive storage container metadata lookups. This issue has been resolved. The driver no longer queries the STORAGE_CONTAINERS system table to answer the SQLStatistics call.
VER-26437	Client Drivers - VSQL	An issue occurred in the Windows vsql client when users did not specify the -w command line option. In these cases, Vertica issued an error if you entered a password in response to a vsql prompt. This issue has been resolved.
VER-26140	Data load / COPY	Using COPY FROM LOCAL STDIN was significantly slower than using COPY FROM STDIN. This issue has been resolved so that load performance is comparable with either load method.
VER-27008	Data load / COPY	Under certain conditions, loading multiple concatenated gzip files through a single FIFO caused an error. This issue has been resolved.
VER-24158	Database Designer Core	In previous releases, if network issues occurred during a Database Designer process, the AdminTools UI canceled the design process. This issue has been resolved. In 6.1 SP2, Vertica reports the network error, but the Database Designer process continues to run

## Fixed issues in HP Vertica 6.1 SP2

Issue	Component	Description
		until completion.
VER-26423	Database Designer Core	Database Designer failed because an OFFSET clause was incorrectly added to a CREATE TABLE statement during database design. This issue has been resolved.
VER-25380	Documentation	The CLEAR_CACHES function clears the internal Vertica cache files. If you want to perform benchmark tests on your queries, first clear the Vertica and Linux caches.
VER-26062	Execution Engine	<p>When users issued an UPDATE or DELETE statement with IS NULL in the query when a database node was down, the following error sometimes occurred:</p> <p>Vertica Internal Error 12 '0 == "Unexpected data type for makeIsNull"'</p> <p>This has been resolved.</p>
VER-26538	Execution Engine	HP Vertica 6.1.1 shipped with version 4.2.1 of the ICU (International Components for Unicode) library. An issue exists in the module in ICU 4.2.1 that determines the word boundaries within a string (used by Vertica's implementation of the SQL INITCAP function). This issue can cause a query to fail when the character set is UTF-8 and the input text contains certain non-Western characters. HP Vertica 6.1.2 includes a patch to ICU 4.2.1, which corrects the issue.
VER-25384	Installation Program	Installation failed with no specific error when other cluster nodes did not have enough space for the RPM file. This issue has been resolved.
VER-25610	Installation Program	<p>Before you install Vertica, make sure the Linux command-line calculation tool, bc, is installed and in the user's path on all nodes in the cluster (commonly /usr/bin/bc) by running one of the following commands:</p> <p>On SUSE and Redhat: rpm -qi bc</p> <p>On Debian: dpkg -l bc</p> <p>You can run 'which bc' to verify that bc is in the user's path.</p>
VER-26938	Installation Program	The Vertica installer created /etc/sysconfig/spreadd with world Read/Write permissions. This issue has been

## Fixed issues in HP Vertica 6.1 SP2

Issue	Component	Description
		resolved in version 6.1SP2 and later.
VER-26215	Optimizer	If a query with a string constant was re-planned, it could return incorrect results if using a lowercase string predicate. This issue has been resolved.
VER-26408	Optimizer	UPDATE statements sometimes failed when a single node in the cluster went down. This issue has been resolved.
VER-26918	Communications/messaging Recovery Refresh	Recovery, refresh, or rebalance sometimes failed with the error: "ReceiveFiles on <node>: Unexpected end of stream from <node>".  This issue has been resolved.
VER-25962, VER-26147	ResourceManager	The amount of memory acquired by a request was calculated incorrectly in both the QUERY_REQUESTS and RESOURCE_ACQUISITIONS tables. This issue has been resolved.
VER-25928	Security	When using LDAP authentication, the connection to the LDAP server sometimes failed when using some LDAP URLs. This issue has been resolved.
VER-26107	Third Party Tools Integration	IPVS sometimes incorrectly reported that some or all nodes were down. This issue has been resolved.
VER-27081	UI - Management Console	Unless an LDAP server is explicitly configured to deny anonymous binds, the underlying LDAP protocol will not error during the verification setup in the MC. Before using anonymous bindings for LDAP authentication in the management console, be sure that your LDAP server is configured to allow this option.

## Known Issues in HP Vertica 6.1 SP2

### Known issues in HP Vertica 6.1.2

Issue	Component	Description
VER-25493	Data Load/COPY	INSERT SELECT statements into external tables with fixed columns sometimes cause a node to fail.
VER-27110	UI - Agent	<p>If you view the Vertica or agent log from the node detail page on the Management Console, be aware that the agent may not free the memory used for this action.</p> <p><b>Workaround:</b> Stop and start the agent to resolve this issue.</p>
VER-27103	UI - Management Console	<p>A memory leak in a third-party library can occur when browser sessions are left open for a long period of time with 'auto-refresh' enabled on pages with graphs. The memory leak causes the web browser to consume memory without releasing it.</p> <p><b>Workaround:</b> Close and reopen the browser.</p>
VER-27112	UI - Management Console	<p>Users may encounter an issue on the User Query Type distribution chart, on the Management Console Overview page. If the chart contains a time interval that has no data to display, the stacking bars may disappear. (This can occur, for example, if the database is down for a certain amount of time.)</p>



# HP Vertica Analytics Platform 6.1 SP1 Release Notes

- [What's New in HP Vertica 6.1 SP1](#)
- [Resolved Issues in HP Vertica 6.1 SP1](#)
- [Known Issues in HP Vertica 6.1 SP1](#)

## What's New in HP Vertica 6.1 SP1

To see a complete list of additions and changes introduced in this release, refer to the *Vertica 6.1.x Enterprise Edition New Features Guide*. Feature highlights in this release are:

- Catalog Directory enhancements
- Small delete vectors now merged by the Tuple Mover
- The ability to grant or revoke privileges on all objects within a schema
- Improved diagnostics collection
- Improved performance of COMMIT statements
- Query plan monitoring improvements
- Export statistics improvements
- New per-user SEARCH\_PATH setting
- Simplified process for changing the run-time priority of a query
- The ability to gather statistics when a node is down
- Support for DMS statements on tables with no projections
- Database designer improvements

## Resolved Issues in HP Vertica 6.1 SP1

### Resolved Issues in HP Vertica 6.1 SP1

Issue	Component	Description
VER-25204	Admin Tools	If /etc/release file was manually created on the server, Admintools could fail . This issue has been resolved.
VER-25402	Admin Tools	Running the command-line Admintools' re-balance operation could fail. This issue has been resolved.
VER-19397	Backup/DR	Using the vbr utility to copy a cluster failed to complete if different node sets existed between the source and destination clusters. No error message occurred and the copycluster task appeared to succeed. This has been fixed. The utility now stops processing with a mismatched nodes message.
VER-22829	Backup/DR	To use a non-default SSH port (22) for backup hosts, manually add the configuration parameter ssh_port_backup= to the Transmission section of the backup.ini file, specifying the SSH port to use. Non-default SSH ports are not supported for the copycluster task.
VER-22925	Backup/DR	Vertica 6.1 SP1 introduces two updates for the vbr.py utility. 1) If you do not include a password in the vbr configuration file, vbr.py now prompts for the account password it requires (dbadmin). 2) If you supplied a non-existent target path when using the copycluster option, VBR did not issue a warning or error message. The utility continued but no data was copied. This behavior has changed. The vbr utility now issues a warning asking if you want to continue the copycluster task when the target path does not exist.
VER-23350	Backup/DR	After upgrading Vertica from 5.x to 6.0, running vbr.py to create a snapshot can display the following warning messages, if the backupDir location contains a snapshot from a previous vbr version: WARNING 5143: Unable to read snapshot info snapname_10037.txt, skipping it: Error deserializing snapshot info from file /backup_host/VBRDB/v_vbrdb_node0004_catalog/Snapshots/gc_20120531_024327/snapname_10037/snapname_10037.txt Ignore any such warnings. They do not prevent vbr.py from successfully creating a snapshot. However, snapshots created with 5.x are incompatible with 6.x.
VER-23500	Backup/DR	The vbr.py utility now displays a textual progress indicator that is less verbose than in previous releases.
VER-23873	Backup/DR	In previous versions, the vbr.py copycluster task sometimes failed with an inaccurate message about 'Unknown host: <hostIP> specified in config file.' This issue has been resolved.

## Resolved Issues in HP Vertica 6.1 SP1

Issue	Component	Description
VER-25307	Backup/DR	<p>Using the vbr.py script with the --dry-run option could result in an rsync error that includes these messages:</p> <p>Copying... 10771: vbr client subproc on 10.x.x.x terminates with returncode 1. Details in vbr_v_node0002_client.log on that host. TypeError: can only concatenate list (not "str") to list This issue has been resolved.</p>
VER-23910	Basics	<p>The configuration parameter MaxDumpOnInternalError is reserved for Vertica use only. It has been removed from the CONFIGURATION_PARAMETERS table.</p>
VER-25231	Catalog Engine	<p>get_node_dependencies now takes an optional argument for which dependencies to investigate.</p>
VER-25655	Client Drivers - JDBC	<p>When performing a batch insert operation with autocommit disabled, any batches after the first batch were erroneously marked as successful, even if some records were rejected by the server. The issue has been resolved.</p>
VER-25660	Client Drivers - JDBC	<p>When constructing a timestamp by passing a Calendar object to ResultSet.getTimestamp(int, Calendar), the driver would produce an incorrect result if the the time did not exist in the JVM's default time zone. The issue has been fixed.</p>
VER-22935	Client Drivers - ODBC	<p>Failed ODBC SQLPrepare calls caused prepared statements not to close cleanly, causing a "Too many prepared statements" error. This issue has been resolved.</p>
VER-26086	Communications/ Messaging	<p>When running multi-node Vertica clusters with certain versions of the Linux kernel, queries intermittently failed with this error message:</p> <p>Error connecting pt-pt socket for send: Cannot assign requested address</p> <p>This release includes code that works around this issue.</p>
VER-17738	DDL	<p>In previous releases, Vertica did not gather rowcount statistics when a node was down. In this release, if a node is down, you can run the DO_TM_TASK('analyze_row_count') utility and Vertica gathers statistics for all nodes, including down nodes, without error, and returns the correct min/max values when the node comes back up.</p>
VER-7881	DDL	<p>It is now possible to set a default schema search path on a per user basis.</p>
VER-3382	DDL - Table	<p>In previous releases, you could not use ALTER TABLE to add a column with a NOT NULL constraint. This behavior has changed and you can use the ALTER TABLE statement as follows:</p>

## Resolved Issues in HP Vertica 6.1 SP1

Issue	Component	Description
		<pre>VMart=&gt; create table test6 (a int); CREATE TABLE VMart=&gt; alter table test6 add column b int default 5 not null; ALTER TABLE</pre>
VER-19324	Data Removal - Delete, Purge, Partitioning	Running purge on temporary tables now gives an error say that purging temporary tables is not supported (rather than AHM == 0).
VER-22468	Data Removal - Delete, Purge, Partitioning	Calling drop_partition with a non-existent partition parameter caused the function to return a "partition dropped" error message. This has now been resolved and the function returns the "Partition does not exist" error message.
VER-19232	Data load / COPY	<p>You can now load data into an IDENTITY column using COPY FROM VERTICA. Doing so does not increment the sequence for the column. Use ALTER SEQUENCE to update values if the sequence lags behind the new data.</p> <p>NOTE: Existing scripts that do not explicitly list which columns they are loading into may need to be updated. Previously, IDENTITY columns were silently ignored if they were present in the source table, but missing in the destination table. Failure to list which columns are being loaded will now cause an error, because IDENTITY columns will be missing in the destination table. Depending on the required behavior, modify any existing queries to either insert into the destination's IDENTITY column, or not fetch data from the source's IDENTITY column.</p> <p>You can globally disable the new behavior by setting SELECT SET_CONFIG_PARAMETER('CopyFromVerticaWithIdentity', 0); This will also fix any scripts broken by the change, but will disallow copying into IDENTITY columns, as in previous releases.</p>
VER-24391	Data load / COPY	<p>Previous releases saved exceptions and rejected data files ONLY if the load was successful. If you specified a REJECTMAX value, the load failed but COPY did not save exceptions and rejected data information.</p> <p>COPY now always saves exceptions and rejected data files. If you specify a REJECTMAX value, and COPY reaches that value, the load fails and COPY saves exceptions and rejected data files.</p>
VER-25113	Database Designer Core	<p>When running a comprehensive design, the Database Designer now does the following:</p> <ul style="list-style-type: none"> <li>* Creates new buddy projections to meet the K-safety requirements, only when they do not already exist.</li> <li>* Creates replacement buddy projections when the Database Designer changes the encoding of pre-existing projections that</li> </ul>

## Resolved Issues in HP Vertica 6.1 SP1

Issue	Component	Description
		it has decided to keep.
VER-9545	Database Designer Core	Certain processes in Vertica used to create temporary files on memory overflow errors. These files were not deleted after the processes completed and were stored in Vertica's /<catalog_path>/tmp/pgsql_tmp/ folder. This issue has been resolved.
VER-19750	Diagnostics	You can now gather information about your system's inode usage using the new scrutinize tool.
VER-9447	Error Handling	In previous releases, Vertica returned misleading error messages, where out-of-memory errors could give the impression that the operation should succeed. This issue has been resolved. Vertica now returns simplified error messages when Vertica runs out of disk space.
VER-23623	Execution Engine	Vertica now provides additional diagnostic information in the logs for certain errors, including "<Panic> VX001: Could not clean up transaction".
VER-25186	Execution Engine	In version 6.0, some queries that used a FULL JOIN and LEFT JOIN, and had volatile functions in the select list, were expected to return a single row but instead returned more than one row. There was an issue during the plan stage and this issue has been corrected.
VER-25331	Execution Engine	Vertica could spend a long time analyzing expressions in a query when there are a large number of storage containers and complicated/long expressions. This issue has been resolved.
VER-25779	Execution Engine	Vertica now correctly reports the amount of free space when the Catalog directory is symbolically linked to another partition.
VER-26006	Execution Engine	In rare circumstances, when network connectivity between nodes failed during plan setup (typically in a noisy networking environment), an individual Vertica node sometimes failed. This issue has been resolved.
VER-21732	Front end - Parse & Analyze	Vertica 6.1.1 supports UPDATE queries that use table aliases. If you use a table alias in an UPDATE statement, all references to that table must use the alias instead of the table name.
VER-25290	Metadata Tables	Querying the STORAGE_CONTAINERS system table was significantly slower for users other than dbadmins when there were many ROLES defined. This has been resolved.
VER-22441	Monitoring	Object identifiers have been added to make system tables to allow for easy joining amongst related tables.
VER-24159	Monitoring	Previously, querying the LOAD_STREAMS system table could return results slowly. Query performance against this table

## Resolved Issues in HP Vertica 6.1 SP1

Issue	Component	Description
		has been improved.
VER-25033	Monitoring	Previously, the V_CATALOG.NODES.EXPORT_ADDRESS column incorrectly output an object id, instead of an IP address. This issue has been resolved.
VER-22403	Optimizer	In rare circumstances, Vertica would incorrectly choose a large table as the inner table in a range join. This issue has been resolved.
VER-24443	Execution Engine Optimizer	In version 6.0, some queries containing a GROUP BY clause, such as "SELECT a FROM foo GROUP BY a, a;" caused a node failure. This issue has been resolved.
VER-24905	Optimizer	For queries that have one or more pattern-matching expressions, Vertica 6.1.1 improves the use of the GROUPBY PIPELINED algorithm for query optimization.
VER-25373	Optimizer	In certain circumstances, running the ANALYZE_STATISTICS() function could take longer to return results than it did in previous releases. This issue has been resolved and performance has improved.
VER-25386	Optimizer	INSERT queries with ORDER BY clauses used to result in an error. This issue has been resolved.
VER-25861	Optimizer	UPDATE statements that contained joins between columns with different data types sometimes returned incorrect results. This issue has been resolved.
VER-25869	Optimizer	If the Vertica server was configured to use LDAP authentication, a user could successfully sign in without supplying a password. This issue has been resolved.
VER-25904	SDK	A performance problem occurred with user-defined functions on systems executing many threads. This issue has been resolved.
VER-9956	Security	In previous releases, you had to grant privileges on tables, sequences, or functions to users/roles one object at a time. You can now grant or revoke privileges to/from all tables, sequences, or functions within one or more schemas in a single statement. See the Vertica New Features Guide for more information.
VER-23128	Storage and Access Layer	When creating a new value index and CRC with Vertica 6.0, no error message was returned if a failure occurred when running the tool, though failures were written to the log file. This has changed and the tool now displays a corresponding error message if the value index and CRC tool detects any data corruption.
VER-24912	Tuple Mover	Under rare conditions, Vertica would exit with a segmentation fault related when attempting to write data to a storage

## Resolved Issues in HP Vertica 6.1 SP1

Issue	Component	Description
		location. This issue has been resolved.
VER-25751	UI - Management Console	Management Console previously collected CPU-related data every second. MC now reports aggregate, minute-level data for CPU resources. This enhancement resolves issues where large clusters/high data volume could cause memory issues on the application server.
VER-15989	Usability	In previous releases, you could not gather statistics when a node was down. You can now run the ANALYZE_STATISTICS() and ANALYZE_HISTOGRAM() functions, as well as gather rowcount statistics by running the DO_TM_TASK('analyze_row_count') utility. Vertica gathers statistics for all nodes and returns the correct min/max values when the down node comes back up.
VER-25480	WLA - Workload Analyzer	In rare cases, the server failed to start on upgrade when a database contained a user table in the public or "\$user" schema whose name shadowed a system table name, such as "memory_usage", "tables" or "projections." The vertica.log file would contain an error similar to the following: [Txn] <INFO> Rollback Txn: fff000000000d00 'Compute CLUSTER upgrade changes' 2012-12-04 17:28:30.163 Cluster Inviter:0x7fcff400d200 <ERROR> @initiator: {threadShimNoSession} 42703/2624: Column "node_name" does not exist This issue has been resolved.

## Known Issues in HP Vertica 6.1 SP1

### Known Issues in HP Vertica 6.1.1

Issue	Component	Description
VER-25560	Documentation	The documentation for installing a cluster with Management Console (MC) is missing this information: If you are creating a database cluster using MC keep in mind the Vertica Admin Path must be the same as the Linux database administrator's home directory. If you enter a path that is not the Linux dbadmin's home directory, MC returns an error.
VER-25610	Installation Program	Vertica installations on SUSE Linux failed because the bc tool was not included in the install package.  <b>Workaround:</b> Before you install Vertica, make sure the Linux command-line calculation tool, bc, is installed and in the user's path on all nodes in the cluster (commonly /usr/bin/bc) by running one of the following commands: On SUSE and Redhat: rpm -qi bc On Debian: dpkg -l bc You can run 'which bc' to verify that bc is in the user's path.
VER-25441	UI - Management Console	After upgrading the MC, in the Databases and Cluster view, the action buttons may not be available on a

## Known Issues in HP Vertica 6.1.1

Issue	Component	Description
VER-25858	UI - Management Console	<p data-bbox="704 218 810 247">database.</p> <p data-bbox="704 279 854 308"><b>Workaround:</b></p> <p data-bbox="704 310 1330 432">Verify that the database is up, then go to the Database Settings tab and validate the database password. All the appropriate action buttons are available after password validation succeeds.</p> <p data-bbox="704 583 1330 772">If you created or imported a database into Management Console (MC) 6.0.X, you must validate the database username and password after you upgrade to MC 6.1.1. You must perform this validation before authorized users can perform activities on that database through the MC interface.</p> <p data-bbox="704 804 854 833"><b>Workaround:</b></p> <p data-bbox="704 835 1289 865">Use the following steps to validate the 6.1.1 database:</p> <ol data-bbox="704 896 1330 1474" style="list-style-type: none"><li data-bbox="704 896 1330 955">1. Log in to MC as the database administrator using MC sign-in credentials.</li><li data-bbox="704 987 1330 1113">2. On the Home page, verify that the database is running. (The database should be visible in the Recent Databases section.) If the database is down, start it from the Databases and Clusters &gt; Select Database dialog.</li><li data-bbox="704 1144 1330 1232">3. After the database starts, on the Home page, click Recent Databases. Alternatively, select Databases and Clusters &gt; View the database.</li><li data-bbox="704 1264 1252 1293">4. At the bottom of the page, click the Settings tab.</li><li data-bbox="704 1325 1330 1386">5. On the database Settings page, click the Password tab on the left.</li><li data-bbox="704 1417 1243 1474">6. Click Validate Password and enter the database username and password and click Save.</li></ol>



# HP Vertica Analytics Platform 6.1.0 Release Notes

This document describes the contents of **Vertica Enterprise Edition 6.1.0**.

- [New Features and Changes](#)
- [Accessing up-to-date Vertica Documentation](#)
- [About OS versions on cluster nodes](#)
- [Resolved issues](#)
- [Known issues](#)

## New Features and Changes in This Release

To see a complete list of additions and changes introduced in this release, refer to the *Vertica 6 Enterprise Edition New Features Guide*. Feature highlights in this release are:

### Analytics Features

- Enhanced Support for User Defined Functions in R
- New and Improved SQL functions: WITH clause, EXCEPT, INTERSECT, and MINUS

### Data Management Features

- Hadoop Distributed File System (HDFS) Connector
- Storage location enhancements
- Data partition archiving

### Vertica on Amazon Web Services

Vertica 6.1.0 introduces a Hardware Virtual Machine (HVM)-based Amazon Machine Image (AMI), which improves support for Amazon Web Services deployments. The new AMI allows you to leverage all of the benefits of cloud computing along with the rich analytics functionality, scalability, and performance benefits of Vertica.

### Usability Features

- Deployment validation tools
- SDK binary compatibility
- Database Designer performance, design, and usability improvements
- Support for non-administrative users on Management Console (MC), as well as user authentication and role-based access.
- Support for multiple databases on MC and the ability to create a Vertica cluster from MC

### Additional changes

Vertica 6.1 also introduces improvements to performance, security, storage locations, and more. For a complete list of changes in this release, see *Vertica 6.1 Enterprise Edition New Features*, available on the [my.vertica.com](http://my.vertica.com) portal.

## Accessing up-to-date Vertica Documentation

You can always access the most up-to-date Vertica documentation by using **the Vertica 6.1.x Online Product Documentation** on the Docs tab of my.vertica.com. When Vertica updates the documentation set, changes will appear in this hosted HTML documentation set immediately.

You can also download individual PDF files, or documentation packages to install and use on your local drive. Use the HTML to be sure you are using the latest; PDFs are updated on a slightly different schedule.

## About OS versions on cluster nodes

All nodes in your Vertica cluster (including the MC) must share the same version of the same operating system.

## Resolved issues in HP Vertica 6.1.0

### Resolved Issues in HP Vertica 6.1.0

Issue	Component	Description
VER-19971	Admin Tools	When checking spread connections, the Vertica installer unsuccessfully tried to reach a node that was down. This issue has been resolved.
VER-25093	Admin Tools	Previously, if private interface IPs were not in /etc/host, Administration Tools failed with an "unknown host" error after a user ran the Administration Tools -t list_addnodes command. This issue has been resolved; Administration Tools now reports if a host cannot be resolved, indicating a system configuration issue.
VER-23018	Backup/DR	A storage location path cannot be a subdirectory of another storage location path.
VER-23364	Backup/DR	Changes to Kerberos Generic Security Service (GSS) prevented some versions of Vertica 5 and Vertica 6 from connecting successfully, and exporting and importing data between versions could fail. This has now been fixed in connections to and from all versions of Vertica 5 and Vertica 6.
VER-23866	Basics	Invoking sequence.NEXTVAL used to modify the return value of TRANSACTION_TIMESTAMP(). This issue has been resolved; the return value of TRANSACTION_TIMESTAMP does not change.
VER-24110	Catalog Engine	Queries after the ALTER TABLE ADD COLUMN statement in the same connection/session sometime caused the initiator to fail.
VER-23091	Client Drivers - ADO	Several issues occurred that prevented named parameters from being referenced more than once in a command. This issue has been resolved.
VER-25157	Client Drivers - JDBC	Vertica issued an exception when a call to Connection.setAutoCommit(true) caused the open transaction to commit. This issue has been resolved.
VER-22971	Client Drivers - ODBC	Exporting tables containing text columns from Microsoft Access to Vertica using the Vertica 5.1 ODBC driver would fail. This issue has been resolved in the 6.1

## Resolved Issues in HP Vertica 6.1.0

Issue	Component	Description
		ODBC driver.
VER-23639	Client Drivers - ODBC	Prepared DML statements with more than one parameter in a single target expression sometimes resulted in an internal error. This issue has been resolved.
VER-23411	Cloud-Amazon	Upgrading a custom Vertica AMI on Amazon Web Services (AWS) from 5.0.x to 6.0.x failed, due to an unsupported operating system. Note that the Vertica 6.1.x release introduces a pre-configured AMI that you should use if you want to run Vertica on AWS. If you want to upgrade a pre-6.1.x Vertica AMI, you should migrate to the 6.1.x Vertica-supplied version. Instructions are included on the Solutions tab of the my.vertica.com portal.
VER-23646	Third Party Tools Integration Client Drivers - ODBC	On the ODBC driver, casting to a DATE data type resulted in a syntax error. This issue has been resolved.
VER-21964	Client Drivers - JDBC	<p>PreparedStatement.setTime and PreparedStatement.setTimestamp now use the time zone of the calendar provided when constructing a value to pass to the server.</p> <p>When reading a Time or Timestamp value, the driver will use the Calendar argument passed to ResultSet.getTime and ResultSet.getTimestamp to construct an appropriate milliseconds value for the object returned. When reading a TimeTz or TimestampTz value, the Calendar parameter is ignored in favor of the time zone provided by the server.</p> <p>When no Calendar is passed to the driver, the JVM's default Calendar is used.</p>
VER-22772	Client Drivers - ODBC	UTF-8 character handling in the ODBC driver on Windows has been improved.
VER-23789	Client Drivers - ODBC	In versions 5.x through 6.0 of the ODBC driver, it was not possible to connect to a Vertica server if the client's system locale was set to Korean. This issue has been resolved.
VER-25141	Client Drivers - ODBC	A driver issue prevented Vertica ODBC option DirectBatchInsert from working properly. This issue has been resolved.
VER-23032	Client Drivers - VSQL	The startup banner for vsql incorrectly claimed to provide SQL command help in response to the \h command, though \h actually provides the same vsql help as the \? command. The startup banner has been

## Resolved Issues in HP Vertica 6.1.0

Issue	Component	Description
		corrected to reflect the actual functions of these two commands.
VER-23888	Communications/messaging	In previous releases, Vertica used a random ephemeral port to exchange data between nodes. In Vertica 6.1.0, the port defaults to 5434 .
VER-24001	Communications/messaging	<p>When running multi-node Vertica clusters with certain versions of the Linux kernel (list below), queries intermittently failed with the error message: "Error connecting pt-pt socket for send: Cannot assign requested address."</p> <p>This problem has been observed with Vertica 5.1 and Vertica 6.0 when running on specific versions of the Linux kernel, including the default kernels distributed in Red Hat Enterprise Linux 6 and derivative (e.g. CentOS 6) distributions.</p> <p>Root cause description: In these cases, when one Vertica node calls the 'connect' system call to open a TCP socket to another Vertica node, the kernel sometimes returns EADDRNOTAVAIL ('Can not assign requested address'). Each query plan opens and closes many TCP connections for each query.</p> <p>Resolution description: Vertica 6.1.0 includes logic that specifies that, when the kernel refuses to open a connection and returns EADDRNOTAVAIL, Vertica retries the same connect request.</p> <p>For a list of kernel versions that have exhibited problems, see the Vertica 6.1.x Supported Platforms document, available on the my.vertica.com portal.</p>
VER-23175	DDL	Error message generated for a mergeout issue incorrectly indicated a problem with concurrent load on a partition. The error message has been clarified.
VER-23983	DDL	CREATE TABLE AS SELECT would generate a zero-width column (VARCHAR(0)) if given an empty query result (such as CREATE TABLE example AS SELECT " AS X;). This column could cause issues (for example, when exporting the table's design), because VARCHAR columns must be at least 1 character wide. CREATE TABLE AS SELECT now converts any VARCHAR(0) columns into a VARCHAR(80).
VER-23659	DDL - Table	In 6.0 and earlier versions, you could use the ALTER TABLE... SET SCHEMA statement to alter a table schema. However, using the "\d" command to view the table description after such a statement showed that the table's defined primary and unique key constraints

## Resolved Issues in HP Vertica 6.1.0

Issue	Component	Description
		had been dropped. This problem was a display artifact; no constraints were actually dropped, and performance remained unaffected. This has been fixed for 6.1, but remains as described for 5.0 and 6.0 versions.
VER-24057	DDL - Table	When used in CREATE TABLE default expression, the NEXTVAL function with a constant string expression as its argument failed. This issue has been resolved.
VER-22899	Data load / COPY	When using COPY FROM VERTICA to load data, if one database used COMPRESSNETWORKDATA for network traffic and the other did not, the target database crashed. If both databases are V6.1 or higher, Vertica checks that the compression setting is the same for BOTH clusters and generates an error if it is inconsistent.
VER-23375	Data load / COPY	COPY LOCAL did not allow non-superusers to specify exceptions or reject files. This issue has been resolved.
VER-23542	Data load / COPY	A failure sometimes occurred when using password authentication. This issue has been resolved.
VER-23587	Data load / COPY	In some cases, the reserved encode buffer was not big enough for projections having GROUPED() columns with Run Length Encoding (RLE), resulting in a node crash. This has been resolved.
VER-24289	Data load / COPY	The COPY FROM VERTICA and EXPORT TO VERTICA statements sometimes failed with an error similar to: INTERNAL 4051: [<dbname>] NetworkReceive: Message too large: 71842. This issue has been resolved.
VER-25075	Data load / COPY	The server sometimes failed when doing a COPY LOCAL under heavy system load. This issue has been resolved.
VER-22902	Database Designer Core	If projections in the system were segmented by an expression other than HASH() or MODULARHASH() on projection columns, the DBD would sometimes fail. This issue has been resolved.
VER-21994	Execution Engine	This release introduces improved performance for query initiation on large clusters.
VER-23552	Execution Engine	Queries sometimes incorrectly logged a "cache lookup failed for operator" error in the DC_ERROR table. This issue has been resolved.
VER-23595	Execution Engine	In some instances, queries that limited the number of returned rows returned the wrong result. This issue has been resolved.
VER-23656	Execution Engine	In some queries that use LIMIT, Vertica nodes could enter a distributed deadlock situation. (The user could cancel the query, if necessary.) This issue has been

## Resolved Issues in HP Vertica 6.1.0

Issue	Component	Description
		resolved.
VER-24041	Execution Engine	Joining a system table and a regular table resulted in the query running in SERIALIZABLE isolation mode, even if the mode was supposed to be READ COMMITTED. This issue has been resolved.
VER-24292	Execution Engine	Some regexp functions have been made slightly faster, and their performance is more predictable.
VER-24584	Execution Engine	Key lookups and range joins on VARBINARY columns are now faster in some cases.
VER-24516, VER-23502	Hadoop	Vertica now provides a version of the Hadoop Connector that is compatible with Cloudera's CDH4.
VER-21334, VER-23727	Installation Program	Validation scripts could fail if the NIC interfaces did not follow standard naming conventions. This issue has been resolved.
VER-23339, VER-23454	Installation Program	Vertica installation failed due to a password-less SSH error. This issue has been resolved.
VER-23722, VER-24571	Installation Program	The install_vertica script sets vm.min_free_kbytes to 4096 in default, which is too low. This issue has been resolved.
VER-24280	Installation Program	The Vertica installer created some files with world-writable permissions. This issue has been resolved.
VER-22790	Monitoring	In certain cases, Vertica did not generate the Loss of K Safety clear SNMP trap correctly. This issue has been resolved.
VER-24466	Monitoring	The performance of system table queries that access the STORAGE_CONTAINERS system table has been improved.
VER-18249	Optimizer	The Vertica optimizer now allows merge joins for NOT EXISTS joins.
VER-21534	Optimizer	The SQL set operator UNION[ALL] now performs more efficiently by distributing its processing across all nodes in the cluster, rather than constraining the task to the initiator node.
VER-23281	Optimizer	In prior releases, right outer joins were supported but the outer/inner choice was not always optimal. In this release, the outer/inner choice is made based on cost.
VER-23346	Optimizer	In certain situations when the Top-K optimization was applicable with the ROW_NUMBER function, Vertica created an incorrect plan that caused the server to crash. This issue has been resolved.

## Resolved Issues in HP Vertica 6.1.0

Issue	Component	Description
VER-23576	Optimizer	<p>In some databases with projections that use the rare explicit range segmentation syntax, selecting from the VS_SEGMENTS internal table caused an internal error with the message <code>VIAssert(s-&gt;expr-&gt;type == T_Const)</code>. This issue has been resolved.</p>
VER-23689	Optimizer	<p>Certain MERGE queries that use a view as the source data used to cause an internal optimizer error. The issue has been resolved.</p>
VER-23853	Optimizer	<p>In Vertica 6.0.x, integer division behavior was changed, so that <code>&lt;int&gt; / &lt;int&gt;</code> yielded a NUMERIC result. You could also choose to use the double slash (<code>//</code>) operator in 6.0.x to return a whole number when dividing integers (<code>&lt;int&gt; / &lt;int&gt; =</code>, which matched the behavior in 5.x. )</p> <p>In this release, we have added the <code>UseV50IntegerDivision</code> configuration parameter, set to 0 (false) by default. This parameter allows you to roll back to the 5.x behavior for integer division using the single slash <code>/</code> operator. When <code>UseV50IntegerDivision</code> is set to 1 (yes), <code>&lt;int&gt; / &lt;int&gt;</code> results in a whole number.</p>
VER-23922	Optimizer	<p>The Vertica 6 optimizer has been enhanced to correct an issue where queries ran slower than in Vertica 5.1. Cardinality estimates were improved to allow the Vertica optimizer to choose a more efficient plan with joins.</p>
VER-23924	Optimizer	<p>Queries involving a predicate on the result of a call to <code>ROW_NUMBER</code> sometimes returned incorrect results. This issue has been resolved.</p>
VER-4987	Optimizer	<p>Vertica now supports the use of the set operators <code>INTERSECT</code> and <code>EXCEPT</code>. <code>MINUS</code> is an alias for <code>EXCEPT</code>.</p>
VER-23605	ResourceManager	<p>Setting <code>queuetimeout</code> to "none" for a resource pool could result in queries timing out early in the resource pool. In addition, setting very large <code>queuetimeout</code> values could result in unexpected timeout duration.</p> <p><b>Workaround:</b> Avoid setting <code>queuetimeout</code> to "none," or to very large values.</p>
VER-22800	Security	<p>You can now configure two LDAP authentication modes for client authentication:</p> <ul style="list-style-type: none"><li>• Bind: The server binds to the full distinguished name (DN).</li></ul>

## Resolved Issues in HP Vertica 6.1.0

Issue	Component	Description
		<ul style="list-style-type: none"><li>• Bind and search: The server binds to an LDAP directory and using the provided parameters, searches the directory to find the full distinguished name (DN) of a user.</li></ul>
VER-23736	Security	In Vertica 6.0, views created by a non-admin user that referenced system tables (including dual) failed privilege checks and resulted in an error when queried by the user. This occurred even when all users had privileges to query the system tables directly. This issue has been resolved.
VER-24161	Storage and Access Layer	Previously, the Vertica Index tool checkCRC option sometimes reported "index corruption - Valindex is not monotonously increasing" when no corruption occurred. This issue has been resolved.
VER-24216	Transactions	DML Transactions would wait for file cleanup unnecessarily. This issue has been resolved.
VER-24987	UI - Agent	Previously, the Management Console agent process held open file handles on old DC log files, causing them to not be deleted by the Vertica server. This issue has been resolved.
VER-23460	UI - Management Console	Previously, if an MC-managed Vertica database had a change in status while the MC server was down, the UI showed an incorrect status after the MC server came back up. This issue has been resolved. When MC starts up, it now synchronizes with the Vertica cluster.
VER-24416	UI - Management Console	In rare circumstances, the MC database did not start after installing MC on the console server. This issue has been resolved; the embedded database now restarts from the last good epoch.
VER-24428	UI - Management Console	On Management Console, using an invalid DATETIME in agent job times caused the agent to fail. This issue has been resolved; MC now handles invalid DATETIME conversions more cleanly and logs them.



## Known issues in HP Vertica 6.1.0

### Known Issues in HP Vertica 6.1.0

Issue	Component	Description
VER-23733	Admin Tools	Administration Tools can fail when adding a node that is slow to join the cluster.
VER-23171	Admin Tools	<p>If some configuration files are missing from a Vertica installation, the dbadmin may not be able to run Administration Tools. Vertica displays this message: "user dbadmin is not allowed to run Administration Tools. to enable access run /opt/vertica/sbin/install_vertica."</p> <p><b>Workaround:</b> This message can indicate that files are missing from your installation. You can run install_vertica again to ensure proper installation.</p>
VER-9452	Client Drivers - ADO	<p>The Vertica ADO.NET Visual Studio plug-in requires the Visual Studio SDK to work correctly.</p> <p><b>Workaround:</b> Install the Visual Studio SDK, available here: <a href="http://www.microsoft.com/downloads/details.aspx?FamilyID=30402623-93ca-479a-867c-04dc45164f5b&amp;displaylang=en">http://www.microsoft.com/downloads/details.aspx?FamilyID=30402623-93ca-479a-867c-04dc45164f5b&amp;displaylang=en</a></p>
VER-16788	Client Drivers - JDBC	The JDBC client-driver method setQueryTimeout(int) is not implemented in this release.
VER-17714	Client Drivers - Misc	Setting the SQL_ATTR_MAX_ROWS attribute in the ODBC driver does not limit the number of rows returned.
VER-23294	Client Drivers - Misc	The Informatica 9.0.1 plug-in does not allow you to successfully reduce the logging level.
VER-14372	Client Drivers - Misc	<p>Several Unicode string issues in pyodbc may cause issues with Vertica. For example, when describing a cursor, the first element of the list returned should be the column name, but the column name returned contains only a single character.</p> <p><b>Workaround:</b> For unixODBC: Connect to database using ansi=True connection parameter</p>

```
FromVerticaConn =  
pyodbc.connect(dicFromVerticaInfo["Connect  
String"], ansi=True)  
( ' Female ', ' Darlene ', ' Vu ' )  
( ' Female ', ' Darlene ', ' Miller ' )  
(('employee_gender', <type 'str'>, None,  
8,None, None, True),('employee first name',  
<type 'str'>, None, 64, None, None, True),  
( 'employee last name', <type 'str'>, None, 64,  
None, None, True))
```

## Known Issues in HP Vertica 6.1.0

Issue	Component	Description
VER-23201	Client Drivers - ODBC	<p>The 32-bit Vertica ODBC drivers do not include the Microsoft Visual C++ package, which is required for the drivers to function properly.</p> <p><b>Workaround:</b> When using the 32-bit Vertica ODBC driver, you must install the Microsoft Visual C++ 2008 redistributable package.</p>
VER-21523	Data load / COPY	<p>Vertica hangs when it should error out in certain cases when doing an Import/Export between two clusters with an improper network configuration between the two clusters.</p> <p><b>Workaround:</b> Follow these best practices:</p> <ul style="list-style-type: none"><li>• Keep the network setup simple. Each IP address in each cluster should be able to directly connect to each IP address in the other cluster, and vice versa, without any network-address translation in between.</li><li>• During an Import/Export, the external interface must have the appropriate firewall ports open. These are the same ports as must be open on the internal interface during regular execution.</li><li>• Ensure that both databases are configured correctly in terms of the listed "internal" and "external" IP addresses of all nodes</li></ul>
VER-24391	Data load / COPY	<p>Using REJECTMAX with the Vertica COPY EXCEPTIONS and REJECTED DATA options does not save exceptions and rejected data, even if the load meets the specified REJECTMAX value. The load will fail upon reaching REJECTMAX, but exceptions and rejected data files are never saved unless the COPY load succeeds.</p> <p><b>Workaround:</b> Do not use REJECTMAX.</p>
VER-18506	Database Designer Core	<p>If a design table is dropped while the Database Designer creates a design, the process could fail if references to the dropped table are required.</p> <p><b>Workaround:</b> Do not drop design tables when the design process is running.</p>
VER-19214	Database Designer	<p>The Database Designer stops working when it</p>

## Known Issues in HP Vertica 6.1.0

Issue	Component	Description
	Front-End/UI	encounters a table whose name contains a period (.)  <b>Workaround:</b> Do not use a period (.) in either a schema or table name.
VER-24367	Database Designer Front-End/UI	On occasion, a network connection failure can cause Administration Tools to create a new connection, and cancel a Database Designer process.  <b>Workaround:</b> To work around this issue, restart the Database Designer process.
VER-15221	Documentation	The Vertica documentation contains incomplete instructions for replacing a node on a failed host.  <b>Workaround:</b> After replacing a node, resync the configuration files from a previously existing node and restart the replaced node to ensure configuration files are enforced. Choose Administration Tools > Configuration menu > Distribute Config File.
VER-17223	Documentation	Occasionally, a DBD user-design space (workspace) will not be dropped if the design initiation fails mid-design. Until the workspace is removed users cannot create designs using the Administration Tools.  <b>Workaround:</b> Issue 1: If the design initiator fails, a workspace schema is left behind after the design process stopped running. When you next start the Administration Tools and try to recreate the design, the system returns a message about the design already existing. Specifically, the error is: Error: Error creating design <design name>: Multiple workspaces are not allowed. Design workspace (" <code>&lt;workspace name&gt;</code> ") exists. HINT: Drop existing workspace and try again <b>Resolution</b> : 1. Drop the Database Designer workspace tables manually using the following statement: <code>=&gt; SELECT dbd_drop_all_workspaces();</code> 2. Run the design again through the Administration Tools <b>Configuration Menu &gt; Run Database Designer.</b>  Issue 2: A user is running the design process, when a second user tries to create a design on a database when either a) a design is already in progress or b) where a workspace already exists. Either of these situations result in these errors: Error 1: Design ' <code>&lt;design name&gt;</code> ' is

## Known Issues in HP Vertica 6.1.0

Issue	Component	Description
		<p>running</p> <p>To check progress: execute <code>select * from v_internal.vs_designs</code></p> <p>To Cancel: execute <code>select dbd_cancel_populate_design('&lt;workspace name&gt;', '&lt;design name&gt;');</code></p> <p>Error 2: The design cannot be created because another design session is in progress</p> <p><b>Resolution</b></p> <ol style="list-style-type: none"><li>1. Check the progress of the design by querying the internal table <code>vs_designs</code>: <code>=&gt; SELECT * FROM v_internal.vs_designs;</code></li><li>2. Cancel the design using the following command: <code>=&gt; SELECT dbd_cancel_populate_design('&lt;workspace name&gt;', '&lt;design name&gt;');</code></li></ol>
VER-24630	Documentation	<p>Always use the COPY statement's Exceptions and Rejected Data parameters for saving load exceptions. Using RETURNREJECTED is not supported, since it is for internal use only by the JDBC and ODBC drivers. The behavior of Vertica's internal-use options can change without notice.</p>
VER-22705	Execution Engine	<p>Queries that produce a large amount of output can be blocked on a slow or unresponsive client. When canceled, such blocked queries will not release their resources until the client reads sufficient data. If RUNTIMECAP is set, this can result in queries exceeding their RUNTIMECAP.</p>
VER-15696	Installation Program	<p>Vertica installation error messages do not always clearly indicate the affected host.</p>
VER-24010	Installation Program	<p>An issue with the Database Designer can occur if you install Vertica from one node, and upgrade it using another node. In this case, the <code>install_vertica</code> script does not successfully update the byte-compiled python scripts (.pyc files) on the other nodes and this can cause inconsistent invocations of DBD API.</p> <p><b>Workaround:</b></p> <p>Be sure to always upgrade from the host on which Vertica was installed. If you choose to upgrade from another node, drop all existing .pyc files from the other nodes.</p>

## Known Issues in HP Vertica 6.1.0

Issue	Component	Description
VER-24535	ResourceManager	<p>Queries are sometimes forced to queue due to MAX_CONCURRENCY limit, even though fewer than the maximum number of queries are active against the pool.</p> <p><b>Workaround:</b> Temporarily raise or remove the MAX_CONCURRENCY limit until the next database restart. Note: The default is unlimited MAX_CONCURRENCY for the general pool and others. Therefore, you will not encounter this issue if you accept the default.</p>
VER-18307	Third Party Tools Integration	<p>The Informatica Plug-In does not include an option to specify storage for reject records.</p>
VER-23606	UI - Agent	<p>In certain highly loaded databases, the vertica_agent service (simply_fast.py) could consume many GB of ram and cause cluster instability.</p> <p><b>Workaround:</b> If you experience cluster instability, you can choose either of these options:</p> <ul style="list-style-type: none"><li>Restart the Vertica agent on each node daily using the command: <code>/etc/init.d/vertica_agent restart</code></li></ul> <p>or</p> <ul style="list-style-type: none"><li>Disable the simply_fast.py process. As root on Red Hat (and similar systems), run the following command: <code># /sbin/service vertica_agent stop</code></li></ul> <p>A stopped agent stays disabled until a server reboot, at which time the <code>/etc/init.d/vertica_agent.sh</code> runs and the agent starts again. To permanently disable the agent, first stop it as described above and then, on all nodes in the cluster, remove the <code>/etc/init.d</code> reference to eliminate activation on restart.</p> <p>Disabling the agent also disables Management Console. Stop MC using the following command: <code>/etc/init.d/vertica-consoled stop</code></p>