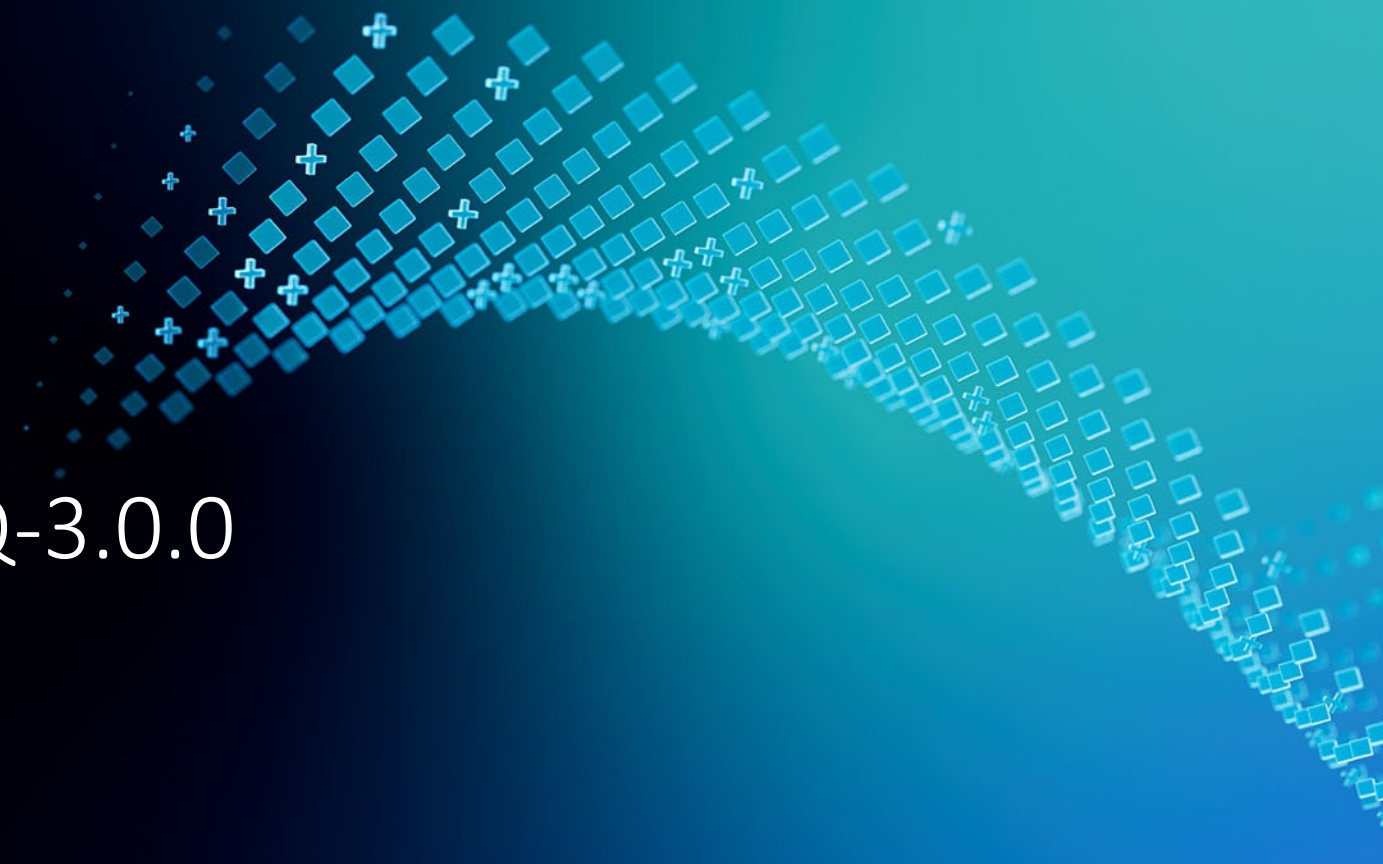


# HCLSoftware



## Advancements in InformixHQ-3.0.0

Presented By:

Shubham Kapoor

Sr. Software Engineer II – Informix Dev

# Agenda

Advancements in InformixHQ 3.0.0

Demo

# InformixHQ-3.0.0

## Key highlights of this release include:

- **Advancements in SQL Editor:** User is now able to configure query history and SQL editor's toggles.
- **Support for large table:** User can create large table.
- **Drop Constraints:** User can now drop constraints for the table.
- **DBSpace Alert:** Restricting the alerts to certain DBSPACES.
- **Server refresh:** User can now refresh specific servers or multiple servers simultaneously to get latest server type and version.
- **Account Lockout:** User will be locked out on 5 consecutive unsuccessful login attempts.
- **Informix Server Online Logs - UI Enhancement:** User can now see Errors and Warnings in different colors.
- **InformixHQ-Server Logs:** User can now view InformixHQ-server log file in InformixHQ UI

## Moreover, several defects have been addressed in this release, including:

- **idsdb00113546:** If an inherited alert is cloned, that alert should be automatically be disabled for that server
- **idsdb00114652:** The alert defined for "on change" for the IDS instance reports interval or wrong states sometimes.
- **idsdb00111980:** HQ user interface should exclude stored procedures for data blades in Schema Manager-> stored procedures
- **idsdb00113993:** Tables & Indexes Information written into search bar should be kept when "Update Information" is run
- **idsdb00115358:** InformixHQ contains link of IBM Doc on HQ shutdown confirmation popup.
- **idsdb00115689:** User management include improper permission assignments that restrict homepage access
- **idsdb00115406:** [PEN Test] Medium - HTML Injection Vulnerability on Alerting Configuration page
- **idsdb00115408:** [PEN Testing] Lack of input validation Vulnerability on user management page.
- **idsdb00112941:** Getting error message on Table and indexes page in HQ: Could not get the data. Column (flags2) not found in any table in the query (or SLV is undefined).

# SQL Editor

## Schema Manager

Info **SQL Editor**

Select Database: sysmaster

Multi Statement Execution:

Search...

- flags\_text
- logmessage
- smi\_build\_status
- sys\_ra\_act\_daemons
- sys\_ra\_act\_queues
- sys\_ra\_ptn\_stats
- sys\_ra\_thrd\_stats
- sysactptnhdr

Run Query History Import Export  Continue on failure  Auto-commit  Run as Batch Mode

InformixHQ Shutdown Agents Light Dark admin

o\_Informix15 > Schema Manager

### Query History

Query history will be auto deleted after 30 days. [Click here to change](#)

Batch	Date and Time	Actions
Run - Mon 21st Oct 2024 22:15:14 IST	2024-10-21 22:15:14	<a href="#">Copy</a> <a href="#">Refresh</a> <a href="#">Delete</a>
Run - Mon 21st Oct 2024 22:14:57 IST	2024-10-21 22:14:57	<a href="#">Copy</a> <a href="#">Refresh</a> <a href="#">Delete</a>
Run - Mon 21st Oct 2024 22:14:15 IST	2024-10-21 22:14:15	<a href="#">Copy</a> <a href="#">Refresh</a> <a href="#">Delete</a>

DB Server Administration Storage SQL Tracing System Reports System Resources

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o\_Informix15 > Schema Manager

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Run - Mon 21st Oct 2024 22:14:15 IST	2024-10-21 22:14:15	<a href="#">Copy</a> <a href="#">Refresh</a> <a href="#">Delete</a>

#### Auto delete settings

Auto delete after 30 days

Auto delete after 1000 entries

Close Save

InformixHQ

### Alerting Configuration

### Change Password

### User Preferences

#### User Preferences

Default time slice for dashboard graphs: 4 hours

#### Query history auto delete settings

Auto delete after 30 days

Auto delete after 1000 entries

Save

# Large Table

### Create Table

• Table Name:  • Table Owner:  Table Type:  Table Size:

Table Columns:  [Add Columns](#)

Table Check Constraint

[Cancel](#) [Next](#)

o\_l\_informix15 > Schema Manager

### View Query

(Review the SQL statement that creates the table)

```
CREATE LARGE STANDARD TABLE 'informix.Order'
(
  No INTEGER DEFAULT NULL,
  Name CHAR(32)
)
;
```

[Back](#) [Create](#) [Cancel](#)

**InformixHQ** [Shutdown](#) Agents  Light  Dark  admin

JC\_v15 > Storage > Spaces

## Spaces

[View as](#) [+ Create Space](#)

Search name or type ( Use ', ' OR ' + ' operator for multiple keyword search ).

Number	Name	Status	Encrypted	Type	% Used	Size	Page Size	Expandable	Create Size
1	rootdbs	<span style="color: green;">●</span>	<span style="color: red;">✗</span>	dbspace	<div style="width: 10%;"></div>	292.97 MB	2 KB	<span style="color: green;">✓</span>	10%
3	test_space16eb	<span style="color: green;">●</span>	<span style="color: red;">✗</span>	dbspace	<div style="width: 10%;"></div>	16 EB	2 KB	<span style="color: green;">✓</span>	10%
2	test_8eb	<span style="color: green;">●</span>	<span style="color: red;">✗</span>	dbspace	<div style="width: 10%;"></div>	127.27 ZB	2 KB	<span style="color: green;">✓</span>	10%

# Drop Constraints

## Schema Manager

Info SQL Editor

Select Database

stores

Logged in as: informix [Change User](#)

Search...

order  
t2  
t3

stores > t3

Table Details: Information Columns Indexes References Privileges Statistics Constraints Fragments Triggers

stores > t3

### Constraints

2 of 4 constraint(s) selected

Search for name, type, columns or locale ( Use ', ' OR ' + ' operator for multiple keyword search ).

<input type="checkbox"/>	Name ^	Type ^	Columns	Locale ^	Enabled	Filtering	With Errors
<input checked="" type="checkbox"/>	c116_29	CHECK ((id > 10 ) AND (id < 100 ) )	id	en_US.819	✓	✗	✗
<input checked="" type="checkbox"/>	n116_27	NOT NULL	id	en_US.819	✓	✗	✗
<input type="checkbox"/>	n116_28	NOT NULL	name	en_US.819	✓	✗	✗
<input type="checkbox"/>	no	PRIMARY KEY	id	en_US.819	✓	✗	✗

# DBSpace alert

## Alerts

Create a new alert

Name

DBSpace Alert

Alert me when

Latest value of a metric

DBSpace Usage

Percent free

All DBSpace(s)

is less than

5

%

+ Add

× Cancel

## Alerts

Create a new alert

Name

DbSPACE alert

Alert me when

Latest value of a metric

DBSpace Usage

Percent free

DBSpace:

rootdbs

×

1 more...

All DBSpace(s)

is less than

5

%

+ Add

× Cancel

# Server Refresh

**InformixHQ** Shutdown Agents Light Dark admin

**Root Group**

Root Group

Groups (0)

Search groups... Add Group

Servers (3)

Search servers... Add Server

<b>ol_informix15</b>	<b>std1</b>	<b>std2</b>
STANDARD	STANDARD	STANDARD
? SERVER STATUS   <span>AGENT STATUS</span>	? SERVER STATUS   <span>AGENT STATUS</span>	? SERVER STATUS   <span>AGENT STATUS</span>
0 INCIDENTS	0 INCIDENTS	0 INCIDENTS

Refresh all Move all to... Delete all



# Account Lockout



InformixHQ


Your account has been locked due to 5 unsuccessful login attempts. Please contact the administrator for assistance. ✕

admin

.....

Login

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InformixHQ

Please update your password since this is your first sign-in.

Enter New Password

Confirm New Password

Password must be at least 8 characters and must contain at least one lowercase character, one uppercase character, and one number.

Change Password

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# Informix Server Online logs – UI Enhancement

**InformixHQ** Shutdown Agents Light Dark admin

server-14.10 > Logs > Online Log

### Online Log

**Server Data** Agent Data

You are currently viewing the log file directly from the database server.

Online Log Rotation: Disabled [✎](#)

**Info log entry** **Warning** **Error / Assert Failed**

```
11:01:07 Maximum server connections 10
11:01:07 Checkpoint Statistics - Avg. Txn Block Time 0.000, # Txns blocked 1, Plog used 285, Llog used 62

11:01:14 DDR Log Snooping - DDRBLOCK phase ended, userthreads unblocked
11:01:14 CDR Spool transaction queue completed
11:05:51 CDR connection to server lost, id 3, name <er_server4>
Reason: ASF connect error (-25580)
11:05:51 CDR connection to server lost, id 2, name <er_server3>
Reason: ASF connect error (-25580)
11:06:07 DDR Log Snooping - DDRBLOCK phase started, userthreads blocked
11:06:07 Checkpoint Completed: duration was 0 seconds.
11:06:07 Mon Nov 18 - loguniq 4495, logpos 0x53b018, timestamp: 0x10432265 Interval: 46126

11:06:07 Maximum server connections 10
11:06:07 Checkpoint Statistics - Avg. Txn Block Time 0.000, # Txns blocked 1, Plog used 298, Llog used 54

11:06:14 DDR Log Snooping - DDRBLOCK phase ended, userthreads unblocked
11:06:14 CDR Spool transaction queue completed
12:50:24 Parameter's user-configured value was adjusted. (DS_MAX_SCANS)
12:50:24 Parameter's user-configured value was adjusted. (ONLIDX_MAXMEM)
12:50:24 Parameter's user-configured value was adjusted. (PHYSFILE)
12:50:24 Parameter's user-configured value was adjusted. (DS_TOTAL_MEMORY)
12:50:24 Warning: The following parameters have been discontinued and should
be removed from your config file:
12:50:24 GSKIT_VERSION
12:50:24 IBM Informix Dynamic Server Started
```

# InformixHQ-Server Logs

Dashboards

Monitoring

Alerting

Permissions

Incidents

Monitoring Server Logs

## Monitoring Server Logs

You are currently viewing the monitoring-server.log file directly from the InformixHQ server.

monitoring-server.log

```
2024-11-19 12:42:26 [main] INFO c.i.h.s.j.RepositoryDataCleanupManager - Next runtime for data cleanup: 2024-11-20 00:00:00
2024-11-19 12:42:26 [main] INFO c.i.h.s.j.StatementHistoryDataCleanupLaunchJob - Statement history clean up started now as InformixHQ server is up and running
2024-11-19 12:42:26 [BackgroundJob-thread-1] INFO c.i.h.s.j.StatementHistoryDataCleanupJob - Statement history cleanup started for user name admin (userId: 1)
2024-11-19 12:42:26 [main] INFO c.i.h.s.j.StatementHistoryDataCleanupManager - Next runtime for statement history data cleanup: 2024-11-20 00:00:00
2024-11-19 12:42:26 [main] INFO c.i.h.s.JettyServer - InformixHQ Server is started, up and running
2024-11-19 12:42:26 [BackgroundJob-thread-1] INFO c.i.h.s.j.StatementHistoryDataCleanupJob - Statement history data cleanup completed successfully for username admin (userId: 1).
2024-11-19 12:44:26 [qtp979532928-191] INFO c.i.h.s.i.DatabaseServerConnectionPoolManager - Created new connection pool: jdbc:informix-sqli://192.168.64.5:9096: sysmaster
2024-11-19 12:44:26 [qtp979532928-185] INFO c.i.h.s.i.DatabaseServerConnectionPoolManager - Created new connection pool: jdbc:informix-sqli://192.168.64.5:9096: sysadmin
2024-11-19 12:47:22 [qtp979532928-183] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API due to client error
: Session not found
2024-11-19 12:50:02 [qtp979532928-206] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API due to client error
: Invalid password
2024-11-19 12:50:05 [qtp979532928-168] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API due to client error
: Invalid password
2024-11-19 12:50:06 [qtp979532928-206] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API due to client error
: Invalid password
2024-11-19 12:50:06 [qtp979532928-168] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API due to client error
: Invalid password
2024-11-19 12:50:07 [qtp979532928-206] WARN c.i.h.s.u.UserManager - User shubham has been locked due to 5 unsuccessful login attempts. Please contact the administrator for assistance.
2024-11-19 12:50:08 [qtp979532928-206] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API due to client error
: Your account has been locked due to 5 unsuccessful login attempts. Please contact the administrator for assistance.
2024-11-19 12:54:17 [qtp979532928-194] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API due to client error
: Invalid password
2024-11-19 12:54:48 [qtp979532928-194] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API
: -206 The specified table (table_test) is not in the database.
2024-11-19 13:05:01 [qtp979532928-170] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API due to client error
: Session not found
2024-11-19 13:13:23 [qtp979532928-323] INFO c.i.h.s.a.AgentWebSocket - Agent server-14.10 connected, from 127.0.0.1
2024-11-19 14:17:20 [qtp979532928-319] ERROR c.i.h.s.r.a.GenericExceptionMapper - Exception in REST API
: -206 The specified table (table_test) is not in the database.
2024-11-19 14:23:23 [qtp979532928-319] INFO c.i.h.s.i.DatabaseServerConnectionPoolManager - Created new connection pool: jdbc:informix-sqli://192.168.64.5:9096: new1
```

Thank you!

