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The content on classic Vault Help is no longer maintained and may not be accurate. In 22R3, December 2, 2022, all links to classic Vault Help will redirect to new Vault Help.

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Please visit us at our new location:

- [Veeva Vault Help](#)
- [Veeva Vault Release Notes](#)



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New Features in Vault V10 API (9.5.4 Release)

Release Date: October 3, 2014

We are pleased to bring you the following enhancements to the V10 API in this week's release.

VQL Support for Object & Document Relationships (Joins)

VQL relationships (Joins) can be used to combine records from two or more objects in a single query, based on a common relationship field between them. Relationships between documents and Vault Objects as well as relationships between multiple Vault Objects are supported.

With this feature, developers can create fine-tuned queries utilizing Inner Joins and Left Outer Joins by placing sub-SELECT statements in either the SELECT list or the WHERE clause. Lookup Joins from child to a single parent are also supported using dot-notation. The response has been updated to support the nested results for sub-SELECTed data.

Vault Object Records API Enhancements

Bulk API for Vault Object Records significantly improves the performance of large object record migrations. We have simplified the interface for the Create and Update Vault



Object Records in Bulk. This allows developers to use a consistent interface regardless of whether a single record or multiple records need to be managed.

API Bug Fixes

Issue	Description
31825	When creating documents through Document API while Vault is in Migration Mode, the default numbering pattern will be used if the <code>document_number__v</code> field is left blank.
44018	The User API now accepts usernames containing uppercase letters in the domain.
45490	The User API will now return error type <code>INVALID_DATA</code> to Admin users who attempt to access user records in Vaults other than their current Vault (within the same Domain) when they are not a Domain Admin in the other Vault.

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