Salesforce Limits Quick Reference Guide

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@salesforcedocs

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SALESFORCE LIMITS QUICK REFERENCE GUIDE OVERVIEW

This guide provides commonly referenced limits for Salesforce.

This guide may not cover all limits or may contain limits that don't apply to your organization. Stated limits aren't a promise that the specified resource is available at its limit in all circumstances. For example, load, performance and other system issues might prevent some limits from being reached. In addition, this guide doesn't include limits of:

- User interface elements in the Salesforce application
- Field lengths of Salesforce objects
- Desktop integration clients

CHAPTER 1 Salesforce Application Limits

This chapter provides limits for Salesforce.

Salesforce Features and Editions Limits

The following are limits for Salesforce features by edition.

Salesforce Features and Editions Limits Table

This table summarizes the limits for some features in the Salesforce application by edition. Footnotes appear beneath this table. For features not included in this table, check the later sections in this guide for limit information.

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Action Plans: Maximum Number of Tasks	N/A	N/A	N/A	N/A	75	75	75
Active Lookup Filters	5 per object	5 per object	5 per object	5 per object	5 per object	5 per object	5 per object
Active Validation Rules	N/A	20 per object	20 per object	20 per object	100 per object	500 per object	100 per object
Attachments: Maximum Size of Attachment in the Notes & Attachments Related List[1]	N/A	25 MB for file attachments. 2 GB for feed attachments.	25 MB for file attachments. 2 GB for feed attachments.	25 MB for file attachments. 2 GB for feed attachments.	25 MB for file attachments. 2 GB for feed attachments.	25 MB for file attachments. 2 GB for feed attachments.	25 MB for file attachments. 2 GB for feed attachments.
Categories: Maximum Default Number of Categories and Hierarchy Levels	N/A	N/A	N/A	N/A	100 categories in a data category group and 5 levels in a data category group hierarchy	100 categories in a data category group and 5 levels in a data category group hierarchy	100 categories in a data category group and 5 levels in a data category group hierarchy
Category Groups: Maximum Default Number of Category Groups	N/A	N/A	N/A	N/A	5 category groups and 3 active category groups	5 category groups and 3 active category groups	5 category groups and 3 active category groups

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Certificates: Maximum Number of Certificates	N/A	N/A	N/A	N/A	50	50	50
Content Deliveries: Default Delivery Bandwidth per Rolling 24-hour Window	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB
Content Deliveries: Default Delivery View Counts per Rolling 24-hour Window	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Content Deliveries: Maximum File Size for Online Viewing	25 MB	25 MB	25 MB	25 MB	25 MB	25 MB	25 MB
Content: Maximum File Size	For all editions: • 2 GB • 2 GB (including headers) when uploaded via Chatter REST API • 2 GB (including headers) when uploaded via REST API • 38 MB when uploaded via SOAP API • 10 MB for Google Docs • 10 MB when uploaded via Visualforce						
Content: Maximum Number of Libraries	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Content: Maximum Number of Content Documents	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Content: Maximum Number of Content Documents and Versions in a 24–hour Period (Adjustable)	36,000	36,000	36,000	36,000	36,000	36,000	2,500
Content Packs: Maximum Number of Files	N/A	50	50	50	50	50	50
Custom Apps (The custom apps contained in a managed package publicly posted on the AppExchange don't count against the limits for your Salesforce Edition.)	N/A	1	1	5	10	Unlimited	10

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Custom Fields (Additional restrictions apply for activities, long text area fields, relationship fields, and roll-up summary fields.)	5 per object	25 per object	100 per object	100 per object	500 per object	800 per object	500 per object
Custom Labels	N/A	N/A	N/A	5,000	5,000	5,000	5,000
Custom Links: Maximum Length of Link Label	1,024 characters	1,024 characters	1,024 characters	1,024 characters	1,024 characters	1,024 characters	1,024 characters
Custom Links: Maximum Length of Link URL	3,000 bytes[2]	3,000 bytes[2]	3,000 bytes[2]	3,000 bytes[2]	3,000 bytes[2]	3,000 bytes[2]	3,000 bytes[2]
Custom Objects	N/A	5	50	50	200	2,000	400
		The custom objects contained in a managed package publicly posted on the AppExchange don't count against the limits for your Salesforce Edition. Soft-deleted custom objects and their data count against your limits. We recommend that you hard delete or erase custom objects you no longer need.					
Custom Objects: Maximum Number of Master-Detail Relationships	N/A	2[3]	2[3]	2[3]	2[3]	2[3]	2[3]
Custom Objects: Deletion of Parent Records in a Many-to-Many Relationship	N/A	In a many-to-many relationship, a user can't delete a parent record if more than 200 junction object records are associated with it *and* if the junction object has a roll-up summary field that rolls up to the other parent.					
Custom Permissions	N/A	N/A	N/A	N/A	1,000	1,000	1,000
Custom Profiles: Maximum Number of Custom Profiles Per User License Type	N/A	N/A	N/A	N/A	1,500	1,500	1,500
Custom Settings: Cached Data Limit	The lesser of 10 MB or 1 MB multiplied by the number of full-featured user licenses in your organization	N/A	The lesser of 10 MB or 1 MB multiplied by the number of full-featured user licenses in your organization	N/A	The lesser of 10 MB or 1 MB multiplied by the number of full-featured user licenses in your organization	The lesser of 10 MB or 1 MB multiplied by the number of full-featured user licenses in your organization	The lesser of 10 MB or 1 MB multiplied by the number of full-featured user licenses in your organization

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Custom Settings: Maximum Number of Fields Per Custom Setting	5	N/A	100	N/A	300	300	300
Divisions: Maximum Number of Divisions	N/A	N/A	N/A	100	100	100	N/A
Documents: Maximum Size of Custom App Logo	20 KB	20 KB	20 KB	20 KB	20 KB	20 KB	20 KB
Documents: Maximum Size of Document to Upload	5 MB	5 MB	5 MB	5 MB	5 MB	5 MB	5 MB
Documents: Maximum File Name Size (Including File Extension Name)	255 characters	255 characters	255 characters	255 characters	255 characters	255 characters	255 characters
Entitlement Processes and Milestones	N/A	N/A	N/A	N/A	For Enterprise, Unlimited, Performance, and Developer Editions, you can have: • 20 Entitlement processes • 10 Milestones for each entitlement process Contact Salesforce for information on increasing the number of entitlement processes and milestones.		
External Objects[4]	N/A	N/A	N/A	N/A	100	100	100
Field History Tracking: Maximum Number of Standard or Custom Fields Tracked for Standard or Custom Objects	N/A	20	20	20	20	20	20
Files: Maximum File Size in Chatter and on the Files Tab	2 GB	2 GB	2 GB	2 GB	2 GB	2 GB	2 GB
Fiscal Years: Maximum Number of Custom Fiscal Years	250	250	250	250	250	250	250
Lightning Pages: Maximum number of components in a single region	25	25	25	25	25	25	25
Formulas: Maximum Number of Characters	3,900 characters	3,900 characters	3,900 characters	3,900 characters	3,900 characters	3,900 characters	3,900 characters

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Formulas: Maximum Number of Displayed Characters After an Evaluation of a Formula Expression	1,300 characters	1,300 characters	1,300 characters	1,300 characters	1,300 characters	1,300 characters	1,300 characters
Formulas: Maximum Formula Size (in Bytes) When Saved	4,000 bytes	4,000 bytes	4,000 bytes	4,000 bytes	4,000 bytes	4,000 bytes	4,000 bytes
Formulas: Maximum Formula Size (in Bytes) When Compiled	5,000 bytes	5,000 bytes	5,000 bytes	5,000 bytes	5,000 bytes	5,000 bytes	5,000 bytes
Formulas: Number of Unique Relationships Per Object	10	10	10	10	10	10	10
Formulas: VLOOKUP Functions	10 per object	10 per object	10 per object	10 per object	10 per object	10 per object	10 per object
Ideas: Maximum Size of HTML Idea Description	N/A	N/A	N/A	32 KB	32 KB	32 KB	32 KB
Ideas: Maximum Size of HTML Idea Comment	N/A	N/A	N/A	4 KB	4 KB	4 KB	4 KB
Master-Detail Relationship: Maximum Number of Child Records	10,000[5]	10,000[5]	10,000[5]	10,000[5]	10,000[5]	10,000[5]	10,000[5]
Objects: Maximum Number of Deleting Combined Objects and Child Records	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Omni-Channel: Maximum Queued Work Items per Hour[6]	N/A	N/A	N/A	500	500	500	500
Omni-Channel: Maximum Pending Routing Requests[7]	N/A	N/A	N/A	1,000	1,000	1,000	1,000
Opportunities: Maximum Number of Opportunity Team Members	N/A	N/A	N/A	N/A	30	30	30
Permission sets: Maximum Number of Created Permission Sets	N/A	1	1	1	1,000	1,000	1,000

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Permission Sets: Maximum Number of Permissions Sets (Including Created and Added as Part of an Installed Managed AppExchange Package)	N/A	N/A	1,500	1,500	1,500	1,500	1,500
Question: Maximum Number of Characters	N/A	N/A	N/A	N/A	1,000	1,000	N/A
Question: Maximum Number of Characters (with Chatter Answers `Optimize Question Flow` enabled)	N/A	N/A	N/A	N/A	32,000	32,000	N/A
Quote PDF: Maximum Logo Size	N/A	N/A	N/A	5 MB	5 MB	5 MB	5 MB
Quote PDF: Maximum Logo Height	N/A	N/A	N/A	150 pixels	150 pixels	150 pixels	150 pixels
Recycle Bin: Maximum Number of Records	25 times your storage capacity in MBs	25 times your storage capacity in MBs	25 times your storage capacity in MBs	25 times your storage capacity in MBs	25 times your storage capacity in MBs	25 times your storage capacity in MBs	25 times your storage capacity in MBs
Reply : Maximum Number of Characters	N/A	N/A	N/A	N/A	1,000	1,000	N/A
Reply (Private): Maximum Number of Characters (with Chatter Answers `Optimize Question Flow` enabled)	N/A	N/A	N/A	N/A	4,000	4,000	N/A
Replies (Public): Maximum Number of Characters (with Chatter Answers `Optimize Question Flow` enabled)	N/A	N/A	N/A	N/A	32,000	32,000	N/A
Shared Activities	For all editions: If your organization has enabled Shared Activities, you can relate as many as 50 contacts to non-recurring and non-group tasks, and non-recurring events. You assign one primary contact; all others are secondary contacts.						
Sharing Rules	N/A	N/A	N/A	For Professional, Enterprise, Unlimited, Performance, and Developer Editions, administrators can create up to 300			

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
				sharing rules per object, including up to 50 criteria-based rules.			
Static Resources	N/A	A single static resource can be up to 5 MB in size. An organization can have up to 250 MB of static resources, total.	A single static resource can be up to 5 MB in size. An organization can have up to 250 MB of static resources, total.	A single static resource can be up to 5 MB in size. An organization can have up to 250 MB of static resources, total.	A single static resource can be up to 5 MB in size. An organization can have up to 250 MB of static resources, total.	A single static resource can be up to 5 MB in size. An organization can have up to 250 MB of static resources, total.	A single static resource can be up to 5 MB in size. An organization can have up to 250 MB of static resources, total.
Tabs (The custom tabs contained in a managed package publicly posted on the AppExchange don't count against the limits for your Salesforce Edition.)	N/A	3	5	10	25	Unlimited	100
Tags	For all editions, a user is limited to a maximum of: • 500 unique personal tags • 5,000 instances of personal tags applied to records Across all users, your organization can have a maximum of: • 1,000 unique public tags • 50,000 instances of public tags applied to records • 5,000,000 instances of personal and public tags applied to records						
Territories: Maximum Number of Account Assignment Rules	N/A	N/A	N/A	N/A	15	15	15
Users: Maximum Number of Users Created	1	5 5000 Chatter Free	10 5000 Chatter Free	Unlimited 5000 Chatter Free	Unlimited 5000 Chatter Free	Unlimited 5000 Chatter Free	2 5000 Chatter Free

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Visual Workflow	N/A	N/A	N/A	N/A	For Enterprise, Unlimited, Performance, and Developer Editions, each flow can have up to: • 50 versions • 2000 steps Each organization can have up to: • 500 active flows • 1000 flows total • 30,000 waiting interviews at a given time • 1000 events being processed per hour • 20,000 defined relative alarm events across all flows and flow versions		
Web-to-Case: Maximum Number of New Cases Generated in a 24–hour Period	N/A	N/A	N/A	5,000[8]	5,000[8]	5,000[8]	5,000[8]
Web-to-Lead: Maximum Number of New Leads Generated in a 24–hour Period	N/A	N/A	N/A	500[8]	500[8]	500[8]	500[8]

[1] You can add an attachment to the Attachments related list of a case, solution, campaign, task, or event, or to the Notes and Attachments related list of an account, contact, lead, opportunity, or custom object. If you don't see the related list on task or event page layouts, you may need to ask your administrator to add it. All file types are supported, including everything from Microsoft® PowerPoint presentations and Excel spreadsheets, to Adobe® PDFs, image files, audio files, and video files.

[2] When data is substituted for the tokens in the URL, the link may exceed 3,000 bytes. Your browser may enforce additional limits for the maximum URL length.

[3] Each relationship is included in the maximum number of custom fields allowed.

[4] The limit of 100 external objects applies regardless of how many Lightning Connect add-ons you purchase for your org.

[5] As a best practice, don't exceed 10,000 child records for a master-detail relationship.

[6] Maximum number of records that can be queued per hour in an org, across all Omni-Channel-enabled queues. Each time an item is assigned to an Omni-Channel queue, the platform checks how many items were queued in the preceding hour. If the limit has been reached, the item isn't assigned to the queue.

Increased App Limits with Expansion Pack and Unlimited Apps Pack

Increase app-related limits in your organization with Expansion Pack or Unlimited Apps Pack.

Expansion Pack for Professional Edition

For Professional Edition, you can purchase Expansion Pack units to increase app, tab, and object limits. Each Expansion Pack unit corresponds to a user license in your organization.

The following table shows the limits that are upgraded by Expansion Pack.

Feature	Professional Edition	Professional Edition + Expansion Pack
Custom Apps	5	15
Custom Tabs	10	25
Custom Objects	50	200

Unlimited Apps Pack for Enterprise Edition

For Enterprise Edition, you can purchase Unlimited Apps Pack units to increase app, tab, and object limits, as well as the maximum number of API calls and data storage capacity. Each Unlimited Apps Pack unit corresponds to a user license in your organization.

The following table shows the limits that are upgraded by Unlimited Apps Pack.

Feature	Enterprise Edition	Enterprise Edition + Unlimited Apps Pack
Custom Apps	10	Unlimited (9,999)
Custom Tabs	25	Unlimited (9,999)
Custom Objects	200	2,000
API Calls	Depends on the license type.	Current limit + 4,000 calls
Data Storage	20 MB per user or 1 GB per organization, whichever is greater	120 MB per user or 1 GB per organization, whichever is greater

Adding Pack Units

Expansion pack and Unlimited Apps Pack units are available for Sales Cloud, Service Cloud, Force.com, and Site.com-Only users. An organization can be upgraded only once with Expansion Pack or Unlimited Apps Pack. If your organization needs higher app limits than what the pack provides, we recommend upgrading your organization's edition. To add Expansion Pack or Unlimited Apps Pack units, contact your Salesforce representative.

Salesforce Reports and Dashboards Limits

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Field Filters per Report[1]	20	20	20	20	20	20	20

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Formulas per Report	5	5	5	5	5	5	5
Scheduled Reports (Emailed reports can be up to 10 MB.)	N/A	N/A	N/A	One per hour[2] (off-peak hours only[3]) (Limited to three preferred start times, which can't be changed)	One per hour[2]	Two per hour[2]	One per hour[2] (off-peak hours only[3]) (Limited to three preferred start times, which can't be changed)
Dashboard Filters	N/A	N/A	N/A	3 per dashboard	3 per dashboard	3 per dashboard	3 per dashboard
Dynamic Dashboards	N/A	N/A	N/A	N/A	Up to five per organization	Up to 10 per organization	Up to three per organization
Scheduled Dashboard Refreshes	N/A	N/A	N/A	N/A	One per hour[2]	Two per hour[2]	N/A
Custom Report Types (Limits apply to all custom report types regardless of development status.)	N/A	N/A	N/A	50	200	2,000	400
Reporting Snapshots	N/A	N/A	N/A	One per hour[2] (off-peak hours only[3]) (Limited to one preferred start time per day, which can't be changed)	One per hour[2]	Two per hour[2]	One per hour[2] (off-peak hours only[3]) (Limited to one preferred start time per day, which can't be changed)

[1] These limits apply to the report builder. If you're using the report wizard, the limit is 10.

[2] Up to a possible maximum of 200, total.

[3] Off-peak hours are between 6 PM and 3 AM local time.

Campaign Limits

Available in: Salesforce Classic

Available in: **Professional**, **Enterprise**, **Performance**, **Unlimited**, and **Developer** Editions

Adding Contacts to Campaigns

Contact Source	Recommended Campaign Member Tool	Maximum Number of Records
A report of existing contacts	Add Campaign Members from Reports	50,000 per report
A .csv file of existing contacts	Campaign Update Wizard	50,000 per import file
A list view of existing contacts	Adding Contacts or Leads from a List View to a Campaign	250 per list page
An individual contact detail page	Adding, Editing, or Cloning Individual Campaign Members	1

Adding Leads to Campaigns

Lead Source	Recommended Campaign Member Tool	Maximum Number of Records
A report of existing leads	Add Campaign Members from Reports	50,000 per report
A .csv file of new leads	Using the Data Import Wizard with Campaigns	50,000 per import file
A list view of existing leads	Adding Contacts or Leads from a List View to a Campaign	250 per list page
An individual lead detail page	Adding, Editing, or Cloning Individual Campaign Members	1

Campaign Influence Time

The maximum campaign influence time frame is 9,999 days.

Campaign Hierarchy

A hierarchy can contain a maximum of five levels. Each campaign can have only one parent campaign but an unlimited number of sibling campaigns.

Chatter Limits

	Feature	Limit
Groups		
	Groups a user can join	100[1] Archived groups don't count toward this limit.
	Groups in your organization	10,000 Archived groups don't count toward this limit.
	Members in a Group	Unlimited
	Characters in the Information field in a group	4000
	Max size of email when posting to a group by email (including text and attachments)	25 MB
	Number of attachments you can include in a post to a group by email	25
Feeds		
	Mentions in a single post or comment	25
	Number of characters in a mention search string	500 characters for a person's first and last name (combined), or for a group name
	Characters in single post or comment	10,000
	Number of email notifications sent after you like or comment on a post	10
	Bookmarks	Unlimited
	Favorites	50
	People, topics, and records you can follow	500[2]
	Maximum number of posts you can see in your feed at any given time	The 500 most recent posts. This limit doesn't apply to profile, group, and record feeds.
Files		
	File attachment size	2 GB
	Times a file can be shared	100
People and Profiles		
	Profile photo size	8 MB

EDITIONS

Available in: Salesforce Classic

Available in:
- Group
- Professional
- Enterprise
- Performance
- Unlimited
- Contact Manager
- Developer

	Feature	Limit
	People you can add to a chat	10
	People you can add to Chat My Favorites	100
	Characters in a Chatter message	10,000
Skills		
	Skills assigned to a user	100
	Characters in a skill name	99
Topics		
	Topics on a single post	10
	Topics on a single record	100
	Characters in a topic name	99

[1]All groups count toward this limit, except archived groups. For example, if you're a member of 100 groups, of which 10 are archived, you can join 10 more groups.

[2]You can follow a maximum combined total of 500 people, topics, and records. To see how many items you're following, view the Following list on your profile.

Chatter Plus Feature	Limit
Chatter Plus licenses in your organization	Unlimited
Data storage per Chatter Plus user	20 MB
File storage per Chatter Plus user (Professional Edition)	612 MB
File storage per Chatter Plus user (Enterprise, Performance, and Unlimited Editions)	2 GB

Posts and comments that users make in Chatter are retained during the entire time that a customer's applicable organization remains provisioned. We reserve the right to enforce limits on:

- The number of system-generated tracked feed updates. Currently tracked feed updates that are older than 45 days and have no likes or comments are deleted automatically. The tracked feed updates no longer appear in the feed. However, if auditing is enabled for a tracked field, the audit history for that field is still available.
- The number of email notifications that can be sent per organization per hour.

The limits are subject to change. Contact Salesforce for more information.

Search Limits for Files in Chatter

Search supports several file types and has file size limits. If a file exceeds the maximum size, the text within the file isn't searched, but the file's name, description, type, and owner are.

File Type	File Extensions	Maximum File Size for Text Within the File to be Searchable
HTML	`.htm`, `.html`, `.xhtml`	5 MB
PDF	`.pdf`	25 MB
PPT	`.ppt`, `.pptx`, `.pptm`	25 MB
RTF	`.rtf`	5 MB
Text	`.c`, `.cpp`, `.css`, `.csv`, `.ini`, `.java`, `.log`, `.sql`, `.txt`	5 MB
Word	`.doc`, `.docx`, `.docm`	25 MB
XLS	`.xls`, `.xlsx`, `.xlsm`	5 MB
XML	`.xml`	5 MB

Custom Field Limits

Available in: both Salesforce Classic and Lightning Experience

Available in: **All** Editions

Standard Fields and Page Layouts are not available in **Database.com**

The number of custom fields allowed per object varies according to your Salesforce Edition. The maximum number of activities, long text area fields, rich text area fields, relationship fields, and roll-up summary fields varies as well. The following table shows the maximum limits for each custom field type and edition.

Custom Field Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited and Performance Edition
Activities	No additional limit	No additional limit	No additional limit	20	100	100	100
Long Text Area Fields	An object can contain an unlimited number of rich text area and long text area fields, although your Edition's limit for the total number of custom fields allowed on an object, regardless of field type, applies. Each object can contain a total of 1.6 million characters across long text area and rich text area fields. When you create a long text area or rich text area field, you set a character limit for the field—the maximum length of the text that can be entered. The default character limit for long text area and rich text area fields is 32,768 characters (32 KB). The maximum character limit for long text area and rich text area fields is 131,072 characters (128 KB). The minimum character limit is 256 characters. The maximum size of an image that can be uploaded in a rich text area field is 1 MB.						
Rich Text Area Fields							
Relationship Fields	No additional limit	40	40	40	40	40	40

Custom Field Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited and Performance Edition
Roll-up Summary Fields	No additional limit	25	25	25	25	25	25

Email Limits

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Email Templates: Maximum Size	384 KB for text email templates	• 384 KB for text, HTML, and custom HTML templates • 1 MB for Visualforce templates					
Inbound Email Sent to Salesforce	For all editions: • Email body truncation size: 32 KB • Maximum number of email activities created for each email received: 50 • Maximum size of a single file attachment: 5 MB • Total maximum size of file attachments: 25 MB[1]						
Email Services: Maximum Number of Email Messages Processed by Salesforce per Day	N/A	N/A	N/A	Number of user licenses multiplied by 1,000, up to a daily maximum of 1,000,000	Number of user licenses multiplied by 1,000, up to a daily maximum of 1,000,000	Number of user licenses multiplied by 1,000, up to a daily maximum of 1,000,000	Number of user licenses multiplied by 1,000, up to a daily maximum of 1,000,000
Email Services: Maximum Size of Email Message (includes email headers, body, attachments, and encoding)	N/A	N/A	N/A	25 MB[1]	25 MB[1]	25 MB[1]	25 MB[1]
Email-to-Case: Maximum Number of Emails Converted into Cases per Day	N/A	N/A	N/A	2,500	2,500	2,500	2,500
Extended Mail Merge: Maximum Number of Records	1,000	1,000	1,000	1,000	1,000	1,000	1,000

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited and Performance Edition	Developer Edition
Extended Mail Merge: Maximum Total Size of Selected Templates	1 MB	1 MB	1 MB	1 MB	1 MB	1 MB	1 MB
Merge Field: `Case.Email_Thread`	N/A	N/A	For Group, Professional, Enterprise, Unlimited, Performance, and Developer Editions: • Maximum number of emails: 200 • Email body truncation size: 32 KB				
On-Demand Email-to-Case: Maximum Email Size (includes email headers, body, attachments, and encoding)	N/A	N/A	N/A	25 MB[1]	25 MB[1]	25 MB[1]	25 MB[1]
On-Demand Email-to-Case: Maximum Number of Email Messages Processed by Salesforce per Day (Counts toward limit for Email Services)	N/A	N/A	N/A	Number of user licenses multiplied by 1,000, up to a daily maximum of 1,000,000	Number of user licenses multiplied by 1,000, up to a daily maximum of 1,000,000	Number of user licenses multiplied by 1,000, up to a daily maximum of 1,000,000	Number of user licenses multiplied by 1,000, up to a daily maximum of 1,000,000

[1] The maximum size of email messages for Email Services varies depending on language and character set. The size of an email message includes the email headers, body, attachments, and encoding. As a result, an email with a 25 MB attachment would likely exceed the 25 MB total size limit for an email message, after accounting for the size of headers, body, and encoding.

For more information on outbound email limits, see Email Limits.

Salesforce Knowledge Limits

Salesforce Knowledge Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited and Performance Edition
Maximum number of articles	N/A	N/A	N/A	N/A	50,000 articles		
Maximum number of article types	N/A	N/A	N/A	N/A	100 article types		

EDITIONS

Available in: Salesforce Classic

Salesforce Knowledge is available in **Performance** and **Developer** editions.

Salesforce Knowledge is available for an additional cost in **Enterprise** and **Unlimited** editions.

Salesforce Knowledge Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited and Performance Edition
Maximum number of custom fields per article type	N/A	N/A	N/A	N/A	Enterprise, Developer, and Unlimited editions: 500 custom fields per article type Performance editions: 800 custom fields per article type		
Maximum file fields	N/A	N/A	N/A	N/A	5 file fields		
Maximum file field size	N/A	N/A	N/A	N/A	File fields are counted as attachments and can be up to 25 MB.		
Maximum rich text area size	N/A	N/A	N/A	N/A	131072 characters		
Maximum size of all rich text area fields on an article	N/A	N/A	N/A	N/A	1638400 characters		
Maximum unique article references (links) in a rich text area field	N/A	N/A	N/A	N/A	You can have up to 100 links to different Salesforce Knowledge articles in one rich text field.		
Article history tracking	N/A	N/A	N/A	N/A	Article events are tracked for up to 18 months.		
Maximum number of supported languages	N/A	N/A	N/A	N/A	16 supported languages		
Article import	N/A	N/A	N/A	N/A	The import .zip file must meet the following requirements: • There can only be one .csv file and one .properties file. • The .csv file and the .properties file must be in the root directory. • The compression process must preserve the folder and subfolder structure. • The .zip file name can't contain special characters. • The .zip file can't exceed 10 MB and the uncompressed files can't exceed 100 MB. • .csv files can't have more than 10,000 rows, including the header row. Therefore, you can have a maximum of 9,999 articles and translations.		

Salesforce Knowledge Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited and Performance Edition
					• .csv file rows can't exceed 400,000 characters. • .csv file cells can't exceed 32 KB. • Each article in the .csv file can't have more than 49 translations.		
Maximum number of data category groups and active data category groups	N/A	N/A	N/A	N/A	5 category groups and 3 active category groups		
Maximum number of categories per data category group	N/A	N/A	N/A	N/A	100 categories in a data category group		
Maximum number of levels in data category group hierarchy	N/A	N/A	N/A	N/A	5 levels in a data category group hierarchy		
Maximum number of data categories from a data category group assigned to an article	N/A	N/A	N/A	N/A	8 data categories from a data category group assigned to an article		
Maximum number of promoted search terms	N/A	N/A	N/A	N/A	Your organization can create a maximum of 2,000 promoted terms.		

Picklist Limits

Available in: both Salesforce Classic and Lightning Experience

Available in: **All** Editions

Standard Picklists are not available in **Database.com**

The maximum number of entries you can have in a picklist is determined by the total number of characters allowed in the picklist, which is 15,000 characters. Note that each entry includes a line break and a return character that are not visible. These two additional characters per entry are counted as part of the 15,000 character limit.

Additional Limits for Standard Picklists

For standard picklists, entries can be up to 40 characters, not including line breaks and returns. For standard multi-select picklists, the total number of characters for all entries cannot exceed 255.

For standard picklists in organizations that use record types or the Translation Workbench, you can have an unlimited number of entries with the following exceptions for special picklists.

Picklist Field	Maximum Number of Entries
`Lead Status`	100
`Task Status`	100
`Task Priority`	50
`Case Status`	100
`Case Priority`	50
`Opportunity Stage`	100

Additional Limits for Custom Picklists

Within the 15,000 total character limit, custom picklists can have:

- Up to 1,000 entries
- Up to 255 characters per entry

Custom multi-select picklists can have:

- Up to 500 values
- Up to 40 characters per value

Note that for multi-select picklists, users can select up to 100 values at a time on a record.

Sites Limits

Available in: Salesforce Classic

Available in: **Developer**, **Enterprise**, **Performance**, and **Unlimited** Editions

Edition	Maximum Number of Sites	Bandwidth Limit (per rolling 24-hour period per site)	Service Request Time (per rolling 24-hour period per site)	Maximum Page Views
Developer Edition	1	500 MB	10 minutes	N/A
Enterprise Edition	25	1 GB for sandbox 40 GB for production	30 minutes for sandbox 60 hours for production	500,000

Edition	Maximum Number of Sites	Bandwidth Limit (per rolling 24-hour period per site)	Service Request Time (per rolling 24-hour period per site)	Maximum Page Views
Unlimited Edition	25	1 GB for sandbox	30 minutes for sandbox	1,000,000
Performance Edition		40 GB for production	60 hours for production	

Workflow and Approval Limits

Workflow and Approvals Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited and Performance Edition
Approval Processes	N/A	N/A	N/A	Each organization can have: • 1,000 approval processes • 300 approval processes per object Each approval process can have: • 30 steps • 25 approvers per step • 40 initial submission actions • 40 final approval actions • 40 final rejection actions • 40 recall actions Each set of initial submission, final approval, final rejection, and recall actions can have: • 10 email alerts • 10 tasks • 10 field updates • 10 outbound messages			
Approval Request Comments: Maximum Number of Characters	N/A	N/A	N/A	Approval request comments are limited to 4,000 characters. In Chinese, Japanese, or Korean, the limit is 1,333 characters.			
Workflow Rules	N/A	N/A	N/A	Each workflow rule can have: • 10 time triggers • 40 immediate actions • 40 time-dependent actions per time trigger			

EDITIONS

Available in: both Salesforce Classic and Lightning Experience

Flow triggers are not available in Lightning Experience

Available in:
- Professional
- Enterprise
- Performance
- Unlimited
- Developer

Workflow and Approvals Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited and Performance Edition
				The immediate actions and each time trigger can have: • 10 email alerts • 10 tasks • 10 field updates • 10 outbound messages • 10 flow triggers[1]			
Workflow Time Triggers Per Hour	N/A	N/A	N/A	250	500	50	1,000
Flow Trigger[2] Workflow Actions: Flow Variable Assignments	N/A	N/A	N/A	N/A	25	25	25
Workflow Emails Per Day	N/A	N/A	N/A	1,000 per standard Salesforce license 2,000,000 per organization	1,000 per standard Salesforce license 2,000,000 per organization	15 per standard Salesforce license 2,000,000 per organization	1,000 per standard Salesforce license 2,000,000 per organization

[1] The Process Builder has superseded flow trigger workflow actions, formerly available in a pilot program. Organizations that are using flow trigger workflow actions can continue to create and edit them, but flow trigger workflow actions aren't available for new organizations.

Workflow Alert Emails: Daily Workflow Alert Email Limits

The daily limit for emails sent through email alerts is 1,000 per standard Salesforce license per organization—except for free Developer Edition and trial organizations, where the daily workflow email limit is 15 per standard Salesforce license. The overall organization limit is 2,000,000. This limit applies to emails sent through email alerts in workflow rules, approval processes, flows, processes, or the REST API.

After your organization has reached its daily workflow email limit:

- Any emails in the workflow queue left over and not sent that day are discarded. Salesforce doesn't try to resend them later.
- If a workflow rule with an action and an email alert is triggered, only the email action is blocked.
- Final approval, final rejection, approval, rejection, and recall email actions are blocked.
- An error message is added to the debug log.

The following items don't count against the workflow email limit:

- Approval notification emails
- Task assignment notifications
- Lead assignment rules notifications

- Case assignment rules notifications
- Case escalation rules notifications
- Force.com sites usage alerts

The limit restriction is based on activity in the 24-hour period starting and ending at midnight GMT. Adding or removing a user license immediately adjusts the limit's total. If you send an email alert to a group, every recipient in that group counts against your daily workflow email limit.

When workflow email alerts approach or exceed certain limits, Salesforce sends a warning email to the default workflow user or—if the default workflow user isn't set—to an active system administrator.

When...	Salesforce Sends...	Warning Email Includes...
An email alert isn't sent because the number of recipients exceeds the limit for a single email	A warning email for each unsent email alert	The unsent email alert's content and recipients
The organization reaches 90% of the limit of emails per day	One warning email	The limit and the organization's usage
The organization reaches 90% of the limit of workflow emails per day	One warning email	The limit and the organization's usage
An email alert isn't sent because the organization reaches the limit of emails per day	A warning email after every 100 attempted email alerts over the limit	The limit and the organization's usage
An email alert isn't sent because the organization reaches the limit of workflow emails per day	A warning email after every 100 attempted email alerts over the limit	The limit and the organization's usage

Data Related Limits

The following limits are related to data stored in Salesforce.

Dates: Valid Range for Date Fields

Only dates within a certain range are valid. The earliest valid date is 1700-01-01T00:00:00Z GMT, or just after midnight on January 1, 1700. The latest valid date is 4000-12-31T00:00:00Z GMT, or just after midnight on December 31, 4000. These values are offset by your time zone. For example, in the Pacific time zone, the earliest valid date is 1699-12-31T16:00:00, or 4:00 PM on December 31, 1699.

Import Limits

This table lists the import limits by type of record, as well as the permissions required for the import.

Type of record	Import record limit	Users with access
Business accounts and contacts owned by you	500 at a time	All users
Business accounts and contacts owned by different users	50,000 at a time	Administrators; Users with the "Modify All Data" permission
Person accounts owned by you	50,000 at a time	All users
Person accounts owned by different users	50,000 at a time	Administrators; Users with the "Import Person Accounts" permission
Leads	50,000 at a time	Administrators; Users with "Read", "Create", and "Edit" on leads and the "Import Leads" permission
Campaign members	50,000 for importing leads as new campaign members and updating the status of existing campaign members.	Administrators; Marketing users (or users with the "Import Leads" permission and the "Edit" permission on campaigns) can import new leads as campaign members. Users also need the "Read" permission on contacts to use the campaign update wizard to make existing leads and contacts campaign members.
Custom objects	50,000 at a time	Administrators; Users with the "Modify All Data" permission
Solutions	50,000 at a time	Administrators; Users with the "Import Solutions" permission
Assets Cases Campaigns Contracts	These records cannot be imported via the import wizards.	

EDITIONS

Available in: Salesforce Classic

Your edition determines the types of objects you can import.

Type of record	Import record limit	Users with access
Documents		
Opportunities		
Products		

Note: Your import file cannot exceed 100MB in size, and each record in the file cannot be bigger than 400KB. In addition, each imported note and each imported description cannot exceed 32KB. Descriptions longer than 32KB are truncated.

External Data Integration Limits

Some limits apply to Lightning Connect external objects and external data sources.

Lightning Connect—All Adapters

For each user, the maximum number of external objects to which you can grant object permissions is equal to the maximum number of custom objects that the user is allowed to access. This limit is determined by the user license that's assigned to the user.

Maximum external objects per org[1]	100
Maximum joins per query across external objects and other types of objects	4
Maximum length of the OAuth token that's issued by the external system	4000 characters

[1] The limit of 100 external objects applies regardless of how many Lightning Connect add-ons you purchase for your org.

Lightning Connect—OData 2.0 Adapter

An org is limited to:

- 10,000 OData queries per hour for Enterprise, Performance, and Unlimited Editions. Higher limits are available on request.
- 1,000 OData queries per hour for Developer Edition.

Maximum HTTP request size for OData	8 MB
Maximum HTTP response size for OData	8 MB
Maximum result set size for an OData query	16 MB
Maximum result set size for an OData subquery	1,000 rows
Maximum new rows retrieved per hour per external data source (This limit doesn't apply to high-data-volume external data sources or to rows that have previously been retrieved.)	50,000

Lightning Connect—Custom Adapter

Apex data type limits:

- Double—The value loses precision beyond 18 significant digits. For higher precision, use decimals instead of doubles.
- String—If the length is greater than 255 characters, the string is mapped to a long text area field in Salesforce.

Rules Limits

Different types of rules can have restrictions, depending on your Salesforce edition. The following table shows the restrictions with respect to edition.

Restrictions	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited Edition / Performance Edition
Active Rules (Limits apply to any combination of *active* workflow, assignment, auto-response, and escalation rules.	Not Available	Not Available	Not Available	50 per object	50 per object	50 per object	50 per object
Total Rules Allowed (Limits apply to any combination of workflow, assignment, auto-response, and escalation rules, both *active* and *inactive*.)	Not Available	Not Available	Not Available	500 per object 2,000 per organization	500 per object 2,000 per organization	500 per object 2,000 per organization	500 per object 2,000 per organization
Assignment, Auto-response, and Escalation Rules	Not Available	Not Available	Not Available	For Professional, Enterprise, Developer, Unlimited, and Performance Editions, each assignment, auto-response, and escalation rule can have: • 3,000 rule entries • 300 formula criteria rule entries • 25 filter criteria per rule entry			
Total Actions Allowed Per Rule	Not Available	Not Available	Not Available	200	200	200	200

Search Limits

The following file extensions and maximum file sizes are supported for Documents search.

EDITIONS

Available in: **All** Editions except **Database.com**

File Type	File Extensions	Maximum Size
HTML (only the text within a `<body>` tag)	`.htm`, `.html`, `.xhtml`	5 MB
PDF	`.pdf`	25 MB
PPT	`.pot`, `.pps`, `.ppt`	25 MB
RTF	`.rtf`	5 MB
Text	`.c`, `.cpp`, `.css.csv`, `.ini`, `.java`, `.log`, `.sql`, `.txt`	5 MB
Word	`.doc`, `.dot`	25 MB
XLS	`.xls`, `.xlt`	5 MB, or a maximum cell limit of 100,000 cells
XML	`.xml`	5 MB

Note: The contents of documents that exceed the maximum sizes are not searched; however, the document fields are still searched. Only the first 1,000,000 characters of text are searched. Text beyond this limit is not included in the search.

Storage Capacity Limits

Storage Capacity

Storage is divided into two categories: file storage and data storage. File storage includes files in attachments, the Documents tab, the Files tab, the File field, Salesforce CRM Content, Chatter files (including user photos), and Site.com assets. Data storage includes the following:

- Accounts
- Article types (format: "[*Article Type Name*]")
- Article type translations (format: "[*Article Type Name*] Version")
- Campaigns
- Campaign Members
- Cases
- Case Teams
- Contacts
- Contracts
- Custom objects
- Email messages

- Events
- Forecast items
- Google docs
- Ideas
- Leads
- Notes
- Opportunities
- Opportunity Splits
- Orders
- Quotes
- Quote Template Rich Text Data
- Solutions
- Tags: Unique tags
- Tasks

For file storage, Contact Manager, Group, Professional, Enterprise, Performance, and Unlimited Editions are allocated a per-user limit multiplied by the number of users in the organization plus an additional per-organization allocation. For example, a Professional Edition organization with 10 users receives 11 GB of file storage, or 100 MB per user multiplied by 10 users plus an additional 10 GB. A Professional Edition organization with 100 users receives 20 GB of file storage, or 100 MB per user multiplied by 100 users plus an additional 10 GB.

For data storage, Contact Manager, Group, Professional, Enterprise, Performance, and Unlimited Editions are allocated either 1 GB or a per-user limit, whichever is greater. For example, a Professional Edition organization with 10 users receives 1 GB because 10 users multiplied by 20 MB per user is 200 MB, which is less than the 1 GB minimum. A Professional Edition organization with 100 users receives more than the 1 GB minimum because 100 users multiplied by 20 MB per user is 2,000 MB.

File storage and data storage are calculated asynchronously, so your organization's storage usage isn't updated immediately if you import or add a large number of records or files.

The values in the Storage Allocation Per User License columns below apply to Salesforce and Salesforce Platform user licenses. Other standard user licenses, such as Communities user licenses, include additional storage. For a description of user licenses, see User Licenses Overview. If your organization uses custom user licenses, contact Salesforce to determine if these licenses provide additional storage.

Salesforce Edition	Data Storage Minimum Per Organization	Data Storage Allocation Per User License	File Storage Allocation Per Organization	File Storage Allocation Per User License
Contact Manager	1 GB	20 MB	11 GB	612 MB
Group	1 GB	20 MB	11 GB	612 MB
Professional	1 GB	20 MB	11 GB	612 MB
Enterprise	1 GB	20 MB	11 GB	2 GB
Performance	1 GB	120 MB	11 GB	2 GB
Unlimited	1 GB	120 MB	11 GB	2 GB
Developer	5 MB	N/A	20 MB	N/A
Personal	20 MB (approximately 10,000 records)	N/A	20 MB	N/A

Note: The only feature license that provides additional storage is Salesforce CRM Content User. Each Salesforce CRM Content User license provides an additional 512 MB of file storage, whether Salesforce CRM Content is enabled or not. To find out whether your organization has Salesforce CRM Content enabled, contact your Salesforce admin.

File Related Limits

The following limits are related to files stored in Salesforce.

File Size Limits

The following are maximum file size limits for files in Salesforce.

Feature	Files Tab and Chatter	Salesforce CRM Content	Salesforce Knowledge	Documents Tab	Attachments Related List
Maximum File Size	2 GB	• 2 GB • 2 GB (including headers) when uploaded via Chatter REST API • 2 GB (including headers) when uploaded via REST API • 38 MB when uploaded via SOAP API • 10 MB for Google Docs • 10 MB when uploaded via Visualforce	5 MB for attachments	• 5 MB • 20 KB for a custom-app logo	• 25 MB for file attachments • 2 GB for feed attachments

EDITIONS

Available in: Salesforce Classic

Available in:
- Contact Manager
- Group
- Professional
- Enterprise
- Performance
- Unlimited
- Developer

File Share Limits

The maximum number of times a file can be shared is 100. This includes files shared with people, groups, and via links. If a file is privately shared and nears the 100 share maximum, consider making the file public by posting it to your feed.

EDITIONS

Available in: Salesforce Classic

Available in:
- Contact Manager
- Group
- Professional
- Enterprise
- Performance
- Unlimited
- Developer

Sandbox Limits

- You can refresh a Full sandbox 29 days after you created or last refreshed it. If you delete a Full sandbox within those 29 days, you need to wait until after the 29 day period, from the date of last refresh or creation, to replace it.
- You can refresh a Partial Copy sandbox 5 days after you created or last refreshed it. If you delete a Partial Copy sandbox within those 5 days, you need to wait until after the 5 day period, from the date of last refresh or creation, to replace it.
- You can refresh a Developer or Developer Pro sandbox once per day.
- Enterprise Edition includes a license for 1 Developer sandbox.
- Performance Edition includes licenses for 1 Full sandbox, 1 Partial Copy sandbox, 5 Developer Pro sandboxes, and 30 Developer sandboxes.
- Unlimited Edition includes licenses for 1 Full sandbox, 5 Developer Pro sandboxes, and 15 Developer sandboxes.
- If you need licenses for more sandboxes, contact salesforce.com to order sandboxes for your organization.

Sandbox Storage Limits

- Partial Copy sandboxes have a 5 GB of files and a 5 GB of data storage limit.
- Developer Pro sandboxes have a 1 GB of files and a 1 GB of data storage limit.
- Developer sandboxes have a 200 MB of files and a 200 MB of data storage limit.
- Full sandboxes have the same storage limit as your production organization.
- Sandboxes don't send email notifications when storage limits are reached. However, if you reach the storage limit of your sandbox, you can't save new data in your sandbox. To check your storage limits, from Setup, enter `Storage Usage` in the `Quick Find` box, then select **Storage Usage** in your sandbox.

CHAPTER 2 Force.com Platform Limits

This chapter provides limits for the Force.com platform.

Apex Governor Limits

Available in: Salesforce Classic and Lightning Experience

Available in: **Enterprise**, **Performance**, **Unlimited**, **Developer**, and **Database.com** Editions

Because Apex runs in a multitenant environment, the Apex runtime engine strictly enforces limits to ensure that runaway Apex code or processes don't monopolize shared resources.

Per-Transaction Apex Limits

These limits count for each Apex transaction. For Batch Apex, these limits are reset for each execution of a batch of records in the `execute` method.

This table lists limits for synchronous Apex and asynchronous Apex (Batch Apex and future methods) when they're different. Otherwise, this table lists only one limit that applies to both synchronous and asynchronous Apex.

Description	Synchronous Limit	Asynchronous Limit
Total number of SOQL queries issued[1] (This limit doesn't apply to custom metadata types. In a single Apex transaction, custom metadata records can have unlimited SOQL queries.)	100	200
Total number of records retrieved by SOQL queries	50,000	
Total number of records retrieved by `Database.getQueryLocator`	10,000	
Total number of SOSL queries issued	20	
Total number of records retrieved by a single SOSL query	2,000	
Total number of DML statements issued[2]	150	
Total number of records processed as a result of DML statements, `Approval.process`, or `database.emptyRecycleBin`	10,000	
Total stack depth for any Apex invocation that recursively fires triggers due to `insert`, `update`, or `delete` statements[3]	16	
Total number of callouts (HTTP requests or Web services calls) in a transaction	100	
Maximum timeout for all callouts (HTTP requests or Web services calls) in a transaction	120 seconds	
Maximum number of methods with the `future` annotation allowed per Apex invocation	50	

Description	Synchronous Limit	Asynchronous Limit
Maximum number of Apex jobs added to the queue with `System.enqueueJob`	50	
Total number of `sendEmail` methods allowed	10	
Total heap size[4]	6 MB	12 MB
Maximum CPU time on the Salesforce servers[5]	10,000 milliseconds	60,000 milliseconds
Maximum execution time for each Apex transaction	10 minutes	
Maximum number of unique namespaces referenced[6]	10	
Maximum number of push notification method calls allowed per Apex transaction	10	
Maximum number of push notifications that can be sent in each push notification method call	2,000	

[1] In a SOQL query with parent-child relationship subqueries, each parent-child relationship counts as an extra query. These types of queries have a limit of three times the number for top-level queries. The row counts from these relationship queries contribute to the row counts of the overall code execution. In addition to static SOQL statements, calls to the following methods count against the number of SOQL statements issued in a request.

- `Database.countQuery`
- `Database.getQueryLocator`
- `Database.query`

[2] Calls to the following methods count against the number of DML queries issued in a request.

- `Approval.process`
- `Database.convertLead`
- `Database.emptyRecycleBin`
- `Database.rollback`
- `Database.setSavePoint`
- `delete` and `Database.delete`
- `insert` and `Database.insert`
- `merge` and `Database.merge`
- `undelete` and `Database.undelete`
- `update` and `Database.update`
- `upsert` and `Database.upsert`
- `System.runAs`

[3] Recursive Apex that does not fire any triggers with `insert`, `update`, or `delete` statements exists in a single invocation, with a single stack. Conversely, recursive Apex that fires a trigger spawns the trigger in a new Apex invocation, separate from the invocation of the code that caused it to fire. Because spawning a new invocation of Apex is a more expensive operation than a recursive call in a single invocation, there are tighter restrictions on the stack depth of these types of recursive calls.

[4] Email services heap size is 36 MB.

[5] CPU time is calculated for all executions on the Salesforce application servers occurring in one Apex transaction. CPU time is calculated for the executing Apex code, and for any processes that are called from this code, such as package code and workflows. CPU time is private for a transaction and is isolated from other transactions. Operations that don't consume application server CPU time aren't counted toward CPU time. For example, the portion of execution time spent in the database for DML, SOQL, and SOSL isn't counted, nor is waiting time for Apex callouts.

[6] In a single transaction, you can only reference 10 unique namespaces. For example, suppose you have an object that executes a class in a managed package when the object is updated. Then that class updates a second object, which in turn executes a different class in a different package. Even though the second package wasn't accessed directly by the first, because it occurs in the same transaction, it's included in the number of namespaces being accessed in a single transaction.

Note:

- Limits apply individually to each `testMethod`.
- To determine the code execution limits for your code while it is running, use the Limits methods. For example, you can use the `getDMLStatements` method to determine the number of DML statements that have already been called by your program. Or, you can use the `getLimitDMLStatements` method to determine the total number of DML statements available to your code.

Per-Transaction Certified Managed Package Limits

Certified managed packages—managed packages that have passed the security review for AppExchange—get their own set of limits for most per-transaction limits. Certified managed packages are developed by Salesforce ISV Partners, are installed in your organization from Force.com AppExchange, and have unique namespaces.

Here is an example that illustrates the separate certified managed package limits for DML statements. If you install a certified managed package, all the Apex code in that package gets its own 150 DML statements. These DML statements are in addition to the 150 DML statements your organization's native code can execute. This limit increase means more than 150 DML statements can execute during a single transaction if code from the managed package and your native organization both execute. Similarly, the certified managed package gets its own 100-SOQL-query limit for synchronous Apex, in addition to the organization's native code limit of 100 SOQL queries.

All per-transaction limits count separately for certified managed packages except for:

- The total heap size
- The maximum CPU time
- The maximum transaction execution time
- The maximum number of unique namespaces

These limits count for the entire transaction, regardless of how many certified managed packages are running in the same transaction.

Also, if you install a package from AppExchange that isn't created by a Salesforce ISV Partner and isn't certified, the code from that package doesn't have its own separate governor limits. Any resources it uses count against the total governor limits for your organization. Cumulative resource messages and warning emails are also generated based on managed package namespaces.

For more information on Salesforce ISV Partner packages, see Salesforce Partner Programs.

Force.com Platform Apex Limits

The limits in this table aren't specific to an Apex transaction and are enforced by the Force.com platform.

Description	Limit
The maximum number of asynchronous Apex method executions (batch Apex, future methods, Queueable Apex, and scheduled Apex) per a 24-hour period[1]	250,000 or the number of user licenses in your organization multiplied by 200, whichever is greater
Number of synchronous concurrent requests for long-running requests that last longer than 5 seconds for each organization.[2]	10
Maximum number of Apex classes scheduled concurrently	100
Maximum number of batch Apex jobs in the Apex flex queue that are in `Holding` status	100
Maximum number of batch Apex jobs queued or active concurrently[3]	5
Maximum number of batch Apex job `start` method concurrent executions[4]	1
Maximum number of batch jobs that can be submitted in a running test	5
Maximum number of test classes that can be queued per 24-hour period (production organizations other than Developer Edition)[5]	The greater of 500 or 10 multiplied by the number of test classes in the organization
Maximum number of test classes that can be queued per 24-hour period (sandbox and Developer Edition organizations)[5]	The greater of 500 or 20 multiplied by the number of test classes in the organization
Maximum number of query cursors open concurrently per user[6]	50
Maximum number of query cursors open concurrently per user for the Batch Apex `start` method	15
Maximum number of query cursors open concurrently per user for the Batch Apex `execute` and `finish` methods	5
Maximum simultaneous requests to URLs with the same host for a callout request[7]	To external endpoints: 20 To endpoints within your Salesforce org's domain: unlimited

[1] For Batch Apex, method executions include executions of the `start`, `execute`, and `finish` methods. This limit is for your entire organization and is shared with all asynchronous Apex: Batch Apex, Queueable Apex, scheduled Apex, and future methods. The licenses that count toward this limit are full Salesforce user licenses or Force.com App Subscription user licenses. Chatter Free, Chatter customer users, Customer Portal User, and partner portal User licenses aren't included.

[2] If more requests are made while the 10 long-running requests are still running, they're denied.

[3] When batch jobs are submitted, they're held in the flex queue before the system queues them for processing.

[4] Batch jobs that haven't started yet remain in the queue until they're started. If more than one job is running, this limit doesn't cause any batch job to fail and `execute` methods of batch Apex jobs still run in parallel.

[5] This limit applies to tests running asynchronously. This group of tests includes tests started through the Salesforce user interface including the Developer Console or by inserting `ApexTestQueueItem` objects using SOAP API.

[6] For example, if 50 cursors are open and a client application still logged in as the same user attempts to open a new one, the oldest of the 50 cursors is released. Cursor limits for different Force.com features are tracked separately. For example, you can have 50 Apex query cursors, 15 cursors for the Batch Apex `start` method, 5 cursors each for the Batch Apex `execute` and `finish` methods, and 5 Visualforce cursors open at the same time.

[7] The host is defined by the unique subdomain for the URL—for example, `www.mysite.com` and `extra.mysite.com` are two different hosts. This limit is calculated across all organizations that access the same host. If this limit is exceeded, a `CalloutException` is thrown.

Static Apex Limits

Description	Limit
Default timeout of callouts (HTTP requests or Web services calls) in a transaction	10 seconds
Maximum size of callout request or response (HTTP request or Web services call)[1]	6 MB for synchronous Apex or 12 MB for asynchronous Apex
Maximum SOQL query run time before Salesforce cancels the transaction	120 seconds
Maximum number of class and trigger code units in a deployment of Apex	5,000
For loop list batch size	200
Maximum number of records returned for a Batch Apex query in `Database.QueryLocator`	50 million

[1] The HTTP request and response sizes count towards the total heap size.

Size-Specific Apex Limits

Description	Limit
Maximum number of characters for a class	1 million
Maximum number of characters for a trigger	1 million
Maximum amount of code used by all Apex code in an organization[1]	3 MB
Method size limit [2]	65,535 bytecode instructions in compiled form

[1] This limit does not apply to certified managed packages installed from AppExchange (that is, an app that has been marked AppExchange Certified). The code in those types of packages belongs to a namespace unique from the code in your organization. For more information on AppExchange Certified packages, see the Force.com AppExchange online help. This limit also does not apply to any code included in a class defined with the `@isTest` annotation.

[2] Large methods that exceed the allowed limit cause an exception to be thrown during the execution of your code.

Miscellaneous Apex Limits

SOQL Query Performance

For best performance, SOQL queries must be selective, particularly for queries inside of triggers. To avoid long execution times, the system can terminate nonselective SOQL queries. Developers receive an error message when a non-selective query in a trigger executes against an object that contains more than 100,000 records. To avoid this error, ensure that the query is selective. See More Efficient SOQL Queries.

Chatter in Apex

For classes in the `ConnectApi` namespace, every write operation costs one DML statement against the Apex governor limit. `ConnectApi` method calls are also subject to rate limiting. `ConnectApi` rate limits match Chatter REST API rate limits. Both have a per user, per namespace, per hour rate limit. When you exceed the rate limit, a `ConnectApi.RateLimitException` is thrown. Your Apex code must catch and handle this exception.

Event Reports

The maximum number of records that an event report returns for a user who is not a system administrator is 20,000; for system administrators, 100,000.

Data.com Clean

If you use the Data.com Clean product and its automated jobs, and you have set up Apex triggers on account, contact, or lead records that run SOQL queries, the queries can interfere with Clean jobs for those objects. Your Apex triggers (combined) must not exceed 200 SOQL queries per batch. If they do, your Clean job for that object fails. In addition, if your triggers call `future` methods, they are subject to a limit of 10 `future` calls per batch.

Push Notification Limits

The maximum number of push notifications that are allowed for each mobile application associated with your Salesforce organization depends on the type of application.

Maximum number of push notifications allowed for	Limit
Mobile applications provided by Salesforce (for example, Salesforce1)	50,000 notifications per app per day
Mobile applications developed by your organization for internal employee usage	35,000 notifications per app per day
Mobile applications installed from the AppExchange	5,000 notifications per app per day

Only *deliverable* notifications count toward this limit. For example, consider the scenario where a notification is sent to 1,000 employees in your company, but 100 employees haven't installed the mobile application yet. Only the notifications sent to the 900 employees who have installed the mobile application count toward this limit.

Each test push notification that is generated through the Test Push Notification page is limited to a single recipient. Test push notifications count toward an application's daily push notification limit.

API Limits

Available in: Salesforce Classic

Available in: **Enterprise**, **Performance**, **Unlimited**, **Developer**, and **Database.com** Editions

The following are API limits for concurrent and total API requests, bulk API operations, API cursors, and limits of some selected APIs.

API Requests Limits

Concurrent API Request Limits

The following table lists the limits for various types of organizations for concurrent inbound requests (calls) with a duration of 20 seconds or longer.

Organization Type	Limit
Developer Edition	5
Trial organizations	5
Production organizations	25
Sandbox	25

Total API Request Limits

The following table lists the limits for the total API requests (calls) per 24-hour period for an organization.

Salesforce Edition	API Calls Per License Type	Minimum	Maximum
All Editions: DebuggingHeader on API testing calls for Apex specified. Valid in API version 20 and later.	N/A	1,000	1,000
Developer Edition	N/A	15,000	15,000
• Enterprise Edition • Professional Edition with API access enabled	• Salesforce: 1,000 • Force.com Light App: 200 • Force.com Enterprise App: 200 • Salesforce Platform: 1,000 • Force.com - One App: 200 Note: This license is not available to new customers. • Partner Community: 200 • Gold Partner: 200 Note: This license is not available to new customers.	15,000	1,000,000

Salesforce Edition	API Calls Per License Type	Minimum	Maximum
• Unlimited Edition • Performance Edition	• Salesforce: 5,000 • Force.com Light App: 200 • Force.com Enterprise App: 200 • Force.com App Bundle: 1,000 • Salesforce Platform: 5,000 • Force.com - One App: 200 Note: This license is not available to new customers. • Partner Community: 200 • Gold Partner: 200 Note: This license is not available to new customers.	15,000	Unlimited. However, at any high limit, it is likely that other limiting factors such as system load may prevent you from using your entire allocation of calls in a 24–hour period.
Sandbox	N/A	N/A	5,000,000

You can find information for API requests in the API Usage box on the system overview page.

Limits are enforced against the aggregate of all API calls made by the organization in a 24 hour period; limits are not on a per-user basis. When an organization exceeds a limit, all users in the organization may be temporarily blocked from making additional calls. Calls will be blocked until usage for the preceding 24 hours drops below the limit.

In the Salesforce application, administrators can view how many API requests have been issued in the last 24 hours on the Company Information page. Administrators can also view a more detailed report of API usage over the last seven days by navigating to the **Reports** tab, selecting the Administrative Reports folder, and clicking the **API Usage Last 7 days** report.

Note: Limits are automatically enforced for all editions.

Any action that sends a call to the API counts toward usage limits, except the following:

- Outbound messages
- Apex callouts

You can configure your organization so that email is sent to a designated user when the number of API requests has exceeded a specified percentage of the limit. To do so, from Setup, enter `API Usage Notifications` in the `Quick Find` box, then select **API Usage Notifications**.

Chatter REST API Limits

Limits protect shared resources. These are the limits for consumers of Chatter REST API.

Chatter REST API requests are subject to rate limiting. Chatter REST API has a different rate limit than other Salesforce APIs. Chatter REST API has a per user, per application, per hour rate limit. When you exceed the rate limit, all Chatter REST API resources return a 503 Service Unavailable error code.

For applications using a session ID from Force.com, the rate limit is per user, per hour—there isn't a separate bucket for applications. All applications the user accesses with a session ID use this general quota. To take advantage of the per user, per application, per hour limit, use OAuth tokens.

Note: Load, performance, and other system issues can prevent some limits from being reached. Limits can change without notice. Applications should make efficient use of available requests and gracefully handle the 503 error code.

Bulk API Limits

Bulk API Limit	Limit Description
Batch limit	You can submit up to 5,000 batches per rolling 24 hour period. You can't create new batches associated with a job that is more than 24 hours old.
Batch lifespan	Batches and jobs that are older than seven days are removed from the queue regardless of job status. The seven days are measured from the youngest batch associated with a job, or the age of the job if there are no batches. You can't create new batches associated with a job that is more than 24 hours old.
Batch size	• Batches for data loads can consist of a single CSV or XML file that can be no larger than 10 MB. • A batch can contain a maximum of 10,000 records. • A batch can contain a maximum of 10,000,000 characters for all the data in a batch. • A field can contain a maximum of 32,000 characters. • A record can contain a maximum of 5,000 fields. • A record can contain a maximum of 400,000 characters for all its fields. • A batch must contain some content or an error occurs.
Batch processing time	There is a five-minute limit for processing 100 records. Also, if it takes longer than 10 minutes to process a batch, the Bulk API places the remainder of the batch back in the queue for later processing. If the Bulk API continues to exceed the 10-minute limit on subsequent attempts, the batch is placed back in the queue and reprocessed up to 10 times before the batch is permanently marked as failed.
Binary content	• The length of any file name can't exceed 512 bytes. • A zip file can't exceed 10 MB. • The total size of the unzipped content can't exceed 20 MB. • A maximum of 1,000 files can be contained in a zip file. Directories don't count toward this total.
Bulk query number of attempts to query	15 attempts at 10 minutes each to process the batch. There is also a two minute limit on the time to process the query. If more than 15 attempts are made for the query, an error message of "Tried more than fifteen times" is returned. If the query takes more than two minutes to process, a QUERY_TIMEOUT error is returned.
Bulk query number of retrieved files	15 files. If the query needs to return more than 15 files, the query should be filtered to return less data. Bulk batch sizes are not used for bulk queries.
Bulk query results lifespan	7 days.
Bulk query retrieved file size	1 gigabyte.

Bulk API Limit	Limit Description
Job open time	The maximum time that a job can remain open is 24 hours. The Bulk API doesn't support clients that, for example, post one batch every hour for many hours.

API Query Cursor Limits

A user can have up to 10 query cursors open at a time. If 10 `QueryLocator` cursors are open when a client application, logged in as the same user, attempts to open a new one, then the oldest of the 10 cursors is released. If the client application attempts to open the released query cursor, an error results.

SOAP API Call Limits

API Name	API Limit	Limit Description
`create()`	Maximum number of records created	Your client application can add up to 200 records in a single `create()` call. If a create request exceeds 200 objects, then the entire operation fails.
`describeSObjects()`	Maximum number of objects returned	The `describeSObjects()` call is limited to a maximum of 100 objects returned.
`emptyRecycleBin()`	Maximum number of records in the Recycle Bin	Your organization can have up to 5,000 records per license in the Recycle Bin at any one time. For example, if your organization has five user licenses, 25,000 records can be stored in the Recycle Bin. If your organization reaches its Recycle Bin limit, Salesforce automatically removes the oldest records, as long as they have been in the recycle bin for at least two hours.
`getDeleted()`	Limits for returned records	• If your `getDeleted()` call returns more than 600,000 records and the user is a system administrator, an exception EXCEEDED_ID_LIMIT is returned. • If your `getDeleted()` call returns more than 20,000 records and the user is not a system administrator, an exception OPERATION_TOO_LARGE is returned. Note that this error is returned when more than 20,000 records across the organization have been deleted, not just the records viewable by the user.
`login()`	Login request size limit	The login request size is limited to 10 KB or less.
`login()`	Maximum calls per user per hour	There is a limit of 3600 calls to `login()` per user per hour. Exceeding this limit will result in a "Login Rate Exceeded" error.

EDITIONS

Available in: Salesforce Classic

Available in: **Enterprise**, **Performance**, **Unlimited**, **Developer**, and **Database.com** Editions

API Name	API Limit	Limit Description
`merge()`	Merge request limits	• Up to 200 merge requests can be made in a single SOAP call. • Up to three records can be merged in a single request, including the master record. This is the same limit as the Salesforce user interface. If you have more than three records to merge, use the same master record in each request to avoid errors. • External ID fields cannot be used with `merge()`.
`update()`	Maximum number of records updated	Your client application can change up to 200 records in a single `update()` call. If an update request exceeds 200 records, then the entire operation fails.
`query()` and `queryMore()`	Batch size limits	WSC clients can set the batch size by calling `setQueryOptions()` on the connection object. C# client applications can change this setting by specifying the batch size in the call QueryOptions portion of the SOAP header before invoking the `query()` call. The maximum batch size is 2,000 records. However this setting is only a suggestion. There is no guarantee that the requested batch size will be the actual batch size. This is done to maximize performance. The batch size will be no more than 200 if the SOQL statement selects two or more custom fields of type long text. This is to prevent large SOAP messages from being returned.

Streaming API Limits

Limits protect shared resources. These are the default limits intended for basic consumers of Streaming API.

Description	Performance and Unlimited Editions	Enterprise Edition	All other editions
Maximum number of topics (PushTopic records) per organization	100	50	40
Maximum number of clients (subscribers) per topic	2000	1000	20
Maximum number of concurrent clients (subscribers) across all topics	2000	1000	20
Maximum number of events per day (24–hour period)	1,000,000	200,000	50,000 (10,000 for free organizations)
Socket timeout during connection (CometD session)	110 seconds	110 seconds	110 seconds
Timeout to reconnect after successful connection (keepalive)	40 seconds	40 seconds	40 seconds
Maximum length of the SOQL query in the `Query` field of a PushTopic record	1300 characters	1300 characters	1300 characters

Description	Performance and Unlimited Editions	Enterprise Edition	All other editions
Maximum length for a PushTopic name	25 characters	25 characters	25 characters

Generic Streaming Limits

The following limits apply to generic streaming.

Description	Performance, Unlimited, Enterprise, and Professional Editions	Developer Edition
Maximum number of StreamingChannels per organization	1000	200
Maximum number of events per day (24–hour period)	100,000	10,000

The limits on maximum number of clients and maximum number of concurrent clients for generic streaming are the same limits used for PushTopic streaming.

Description	Performance and Unlimited Editions	Enterprise Edition	All other editions
Maximum number of clients (subscribers) per generic streaming channel	2000	1000	20
Maximum number of concurrent clients (subscribers) across all generic streaming channels	2000	1000	20

Email Limits

Using the API or Apex, you can send single emails to a maximum of 1,000 external email addresses per day based on Greenwich Mean Time (GMT). Single emails sent using the Salesforce application don't count toward this limit. There's no limit on sending individual emails to contacts, leads, person accounts, and users in your organization directly from account, contact, lead, opportunity, case, campaign, or custom object pages.

When sending single emails, keep in mind:

- You can send 100 emails per `SingleEmailMessage`.
- If you use `SingleEmailMessage` to email your organization's internal users, specifying the user's ID in `setTargetObjectId` means the email doesn't count toward the daily limit. However, specifying internal users' email addresses in `setToAddresses` means the email does count toward the limit.

You can send mass email to a maximum of 1,000 external email addresses per day per organization based on Greenwich Mean Time (GMT). The maximum number of external addresses you can include in each mass email depends on your edition:

Edition	External Address Limit per Mass Email
Personal, Contact Manager, and Group Editions	Mass email not available
Professional Edition	250
Enterprise Edition	500
Unlimited and Performance Edition	1,000

Note: Note the following about email limits:

- The single and mass email limits don't take unique addresses into account. For example, if you have `johndoe@example.com` in your email 10 times, that counts as 10 against the limit.
- You can send an unlimited amount of email to your organization's internal users, which includes portal users.
- You can send mass emails only to contacts, person accounts, leads, and your organization's internal users.
- In Developer Edition organizations and organizations evaluating Salesforce during a trial period, your organization can send mass email to no more than 10 external email addresses per day. This lower limit does not apply if your organization was created before the Winter '12 release and already had mass email enabled with a higher limit. Additionally, your organization can send single emails to a maximum of 15 email addresses per day.

Metadata Limits

Available in: both Salesforce Classic and Lightning Experience

Available in: **Enterprise**, **Performance**, **Unlimited**, **Developer**, and **Database.com** Editions

The following are limits for deploying and retrieving metadata. These limits apply to the Force.com IDE, the Force.com Migration Tool, and the Metadata API.

Metadata Limit	Limit Description
Retrieving and deploying metadata	Metadata API can deploy and retrieve up to 10,000 files or 400 MB at one time. If either of these limits is exceeded, the deployment or retrieval fails.
Change sets	Inbound and outbound change sets can have up to 10,000 files of metadata.

SOQL and SOSL Limits

Available in: Salesforce Classic

Available in: **Enterprise**, **Performance**, **Unlimited**, **Developer**, and **Database.com** Editions

Feature	Limit	Limit Description
SOQL statements	Maximum length of SOQL statements	By default, SOQL statements cannot exceed 20,000 characters in length. Note: Long, complex SOQL statements, such as statements that contain a large number of formula fields, can sometimes result in a `QUERY_TOO_COMPLICATED` error. This occurs because the statement is expanded internally when processed by Salesforce, even though the original SOQL statement is under the 20,000 character limit. To avoid this, reduce the complexity of your SOQL statement.
SOSL statements	Maximum length of SOSL statements	The SOSL statement character limit is tied to the SOQL statement character limit defined for your organization. By default, SOQL and SOSL queries cannot exceed 20,000 characters.
SOSL search query strings	Maximum length of `SearchQuery` string	If the `SearchQuery` string is longer than 10,000 characters, no result rows are returned. If `SearchQuery` is longer than 4,000 characters, any logical operators are removed. For example, the `AND` operator in a statement with a `SearchQuery` that's 4,001 characters will default to the `OR` operator, which could return more results than expected.
SOSL query results	Maximum number of rows returned	2,000 results total (API version 28.0 and later), unless you specify custom limits in the query. Previous API versions return 200 results.
Relationship queries	Relationship query limits	• No more than 35 child-to-parent relationships can be specified in a query. A custom object allows up to 25 relationships, so you can reference all the child-to-parent relationships for a custom object in one query. • No more than 20 parent-to-child relationships can be specified in a query. • In each specified relationship, no more than five levels can be specified in a child-to-parent relationship. For example, `Contact.Account.Owner.FirstName` (three levels). • In each specified relationship, only one level of parent-to-child relationship can be specified in a query. For example, if the `FROM` clause specifies Account, the `SELECT` clause can specify only the Contact or other objects at that level. It could not specify a child object of Contact.
FOR VIEW and FOR REFERENCE	Maximum RecentlyViewed records allowed	The RecentlyViewed object is updated every time the logged-in user views or references a record. It is also updated when records are retrieved using the `FOR VIEW` or `FOR REFERENCE` clause in a SOQL query. To ensure that the most recent data is available, RecentlyViewed data is periodically truncated down to 200 records per object.
OFFSET clause	Maximum number of rows skipped by OFFSET	The maximum offset is 2,000 rows. Requesting an offset greater than 2,000 will result in a `NUMBER_OUTSIDE_VALID_RANGE` error.

The following are SOQL limitations and tips that are specific to some Salesforce objects.

Object	Description
ContentDocumentLink	A SOQL query must filter on one of `Id`, `ContentDocumentId`, or `LinkedEntityId`.

Custom metadata types	Custom metadata types support the following SOQL query syntax.
	`SELECT fieldList [...]`
	`FROM objectType`
	`  [USING SCOPE filterScope]`
	`[WHERE conditionExpression]`
	`[ORDER BY field {ASC|DESC} [NULLS {FIRST|LAST}] ]`
	• The `fieldList` can include only non-relationship fields.
	• `FROM` can include only one object.
	• You can't use `COUNT` with custom metadata types.
	• You can use the following operators.
	– `IN` and `NOT IN`
	– =, >, >=, <, <=, and `!=`
	– `LIKE`, including wild cards
	– `AND`
	• You can use `ORDER BY`, `ASC`, and `DESC` with multiple fields.

External objects	• A subquery that involves external objects can fetch up to 1,000 rows of data. • Each SOQL query can have up to 4 joins across external objects and other types of objects. Each join requires a separate round trip to the external system when executing the query. Expect longer response times for each join in a query. • External objects don't support the following aggregate functions and clauses. – `AVG()` function – `COUNT(fieldName)` function (however, `COUNT()` is supported) – `HAVING` clause – `GROUP BY` clause – `MAX()` function – `MIN()` function – `SUM()` function • External objects also don't support the following. – `EXCLUDES` operator – `FOR VIEW` clause – `FOR REFERENCE` clause – `INCLUDES` operator – `LIKE` operator – `toLabel()` function – `TYPEOF` clause

Object	Description
	– `WITH` clause The following limits apply only to the OData 2.0 and 4.0 adapters for Lightning Connect. • External objects have the following limitations for the `ORDER BY` clause. – `NULLS FIRST` and `NULLS LAST` are ignored. – External objects don't support the `ORDER BY` clause in relationship queries. • The `COUNT()` aggregate function is supported only on external objects whose external data sources have `Request Row Counts` enabled. Specifically, the response from the external system must include the total row count of the result set. The following limits apply only to custom adapters for Lightning Connect. • Location-based SOQL queries of external objects aren't supported. • If a SOQL query of an external object includes the following, the query fails. – `convertCurrency()` function – `UPDATE TRACKING` clause – `UPDATE VIEWSTAT` clause – `USING SCOPE` clause • In an `ORDER BY` clause, the following are ignored. – `NULLS FIRST` syntax – `NULLS LAST` syntax
NewsFeed	• No SOQL limit if logged-in user has "View All Data" permission. If not, specify a LIMIT clause of 1,000 records or fewer. • SOQL ORDER BY on fields using relationships is not available. Use ORDER BY on fields on the root object in the SOQL query.
KnowledgeArticleVersion	• Always filter on a single value of `PublishStatus` unless the query filters on one or more primary key IDs. To support security, only users with the "Manage Articles" permission see articles whose `PublishStatus` value is `Draft`. • Archived article versions are stored in the articletype_kav object. To query archived article versions, specify the article `Id` and set `sLatestVersion='0'`. • Always filter on a single value of `Language`. However, in SOQL, you can filter on more than one `Language` if there is a filter on `Id` or `KnowledgeArticleId`.
RecentlyViewed	The RecentlyViewed object is updated every time the logged-in user views or references a record. It is also updated when records are retrieved using the `FOR VIEW` or `FOR REFERENCE` clause in a SOQL query. To ensure that the most recent data is available, RecentlyViewed data is periodically truncated down to 200 records per object.
TopicAssignment	No SOQL limit if logged-in user has "View All Data" permission. If not, do one of the following: • Specify a LIMIT clause of 1,100 records or fewer. • Filter on `Id` or `Entity` when using a `WHERE` clause with "=".

Object	Description
UserRecordAccess	• Always use the query formats specified in the SOAP API Developer's Guide. • May include an `ORDER BY` clause. You must `ORDER BY HasAccess` if you `SELECT HasAccess`, and `ORDER BY MaxAccessLevel` if you `SELECT MaxAccessLevel`. • Maximum number of records that can be queried is 200.
UserProfileFeed	• No SOQL limit if logged-in user has "View All Data" permission. If not, specify a LIMIT clause of 1,000 records or fewer. • SOQL ORDER BY on fields using relationships is not available. Use ORDER BY on fields on the root object in the SOQL query. Also, a SOQL query must include `WITH UserId = {userId]`.
Vote	• `ParentId = [`***`single ID`***`]` • `Parent.Type = [`***`single type`***`]` • `Id = [`***`single ID`***`]` • `Id IN = [`***`list of IDs`***`]`

Visualforce Limits

Available in: Salesforce Classic and Lightning Experience

Available in: **Contact Manager**, **Group**, **Professional**, **Enterprise**, **Performance**, **Unlimited**, and **Developer** Editions

Limit	Value
Maximum response size for a Visualforce page	Less than 15 MB
Maximum view state size in a Visualforce page	135 KB
Maximum size of a Visualforce email template	1 MB
Maximum file size for a file uploaded using a Visualforce page	10 MB
Maximum size of HTML response *before* rendering, when Visualforce page is rendered as PDF	Less than 15 MB
Maximum PDF file size for a Visualforce page rendered as a PDF	60 MB
Maximum total size of all images included in a Visualforce page rendered as a PDF	30 MB
Maximum response size of a JavaScript remote call	15 MB
Default timeout for a JavaScript remoting call	30000 milliseconds (30 seconds)
Maximum timeout for a JavaScript remoting call	120000 milliseconds (120 seconds)
Maximum number of rows retrieved by queries for a single Visualforce page request	50,000

Limit	Value
Maximum number of rows retrieved by queries for a single Visualforce page request in read-only mode	1 million
Maximum number of collection items that can be iterated in an iteration component such as `<apex:pageBlockTable>` and `<apex:repeat>`	1,000
Maximum number of collection items that can be iterated in an iteration component such as `<apex:pageBlockTable>` and `<apex:repeat>` in read-only mode	10,000
Maximum number of field sets that can be displayed on a single Visualforce page.	50
Maximum number of records that can be handled by StandardSetController	10,000

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