

# 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

# 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 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 <sup>1</sup>	N/A	5 MB	5 MB	5 MB	5 MB	5 MB	5 MB
Categories: Maximum Default Number of Categories and Hierarchy Levels	N/A	N/A	N/A	N/A	100 categories	100 categories	100 categories
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
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	1 GB	1 GB	1 GB	1 GB	1 GB	1 GB	1 GB
Content Deliveries: Default Delivery View	20,000	20,000	20,000	20,000	20,000	20,000	20,000

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited Edition	Developer Edition
Counts per Rolling 24-hour Window							
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: <ul style="list-style-type: none"> <li>• 2 GB</li> <li>• 10 MB for Google Docs</li> <li>• 10 MB for email attachments</li> <li>• 38 MB when uploaded via the API</li> <li>• 10 MB when uploaded via Visualforce</li> </ul>						
Content Packs: Maximum Number of Files	N/A	50	50	50	50	50	50
Custom Apps  (The custom apps contained in a managed package in a trial state or the managed package of a native application in any state don't count against the limits supported for your Salesforce Edition.)	N/A	1	1	5	10	Unlimited	10
Custom Fields  (Additional restrictions apply for activities, long text area fields, relationship fields, and roll-up summary fields. For more information, see Additional Custom Field Limits.)	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 <sup>2</sup>	3,000 bytes <sup>2</sup>	3,000 bytes <sup>2</sup>	3,000 bytes <sup>2</sup>	3,000 bytes <sup>2</sup>	3,000 bytes <sup>2</sup>	3,000 bytes <sup>2</sup>
Custom Objects	N/A	5	50	50	200	2,000	400

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited Edition	Developer Edition
(The custom objects contained in a managed package in a trial state or the managed package of a native application in any state don't count against the limits supported for your Salesforce Edition.)							
Custom Objects: Maximum Number of Master-Detail Relationships	N/A	2 <sup>3</sup>	2 <sup>3</sup>	2 <sup>3</sup>	2 <sup>3</sup>	2 <sup>3</sup>	2 <sup>3</sup>
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 <i>and</i> if the junction object has a roll-up summary field that rolls up to the other parent.					
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
Custom Settings: Maximum Number of Fields Per Custom Setting	300	N/A	300	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

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited Edition	Developer Edition
Entitlement Processes and Milestones	N/A	N/A	N/A	N/A	For Enterprise, Developer, and Unlimited Editions, you can have: <ul style="list-style-type: none"> <li>• 20 Entitlement processes</li> <li>• 10 Milestones for each entitlement process</li> </ul> Contact <a href="https://salesforce.com">salesforce.com</a> for information on increasing the number of entitlement processes and milestones.		
Email to Salesforce: Email Body Truncation Size	32 KB	32 KB	32 KB	32 KB	32 KB	32 KB	32 KB
Email to Salesforce: Maximum Number of Email Activities Created for Each Email Received	50	50	50	50	50	50	50
Email to Salesforce: Maximum Size of a Single File Attachment	5 MB	5 MB	5 MB	5 MB	5 MB	5 MB	5 MB
Email to Salesforce: Total Maximum Size of File Attachments	10 MB	10 MB	10 MB	10 MB	10 MB	10 MB	10 MB
Email Services: Maximum Number of Email Messages Processed (Includes limit for On-Demand Email-to-Case)	N/A	N/A	N/A	N/A	Number of user licenses multiplied by 1,000	Number of user licenses multiplied by 1,000	Number of user licenses multiplied by 1,000
Email Services: Maximum Size of Email Message (Body and Attachments)	N/A	N/A	N/A	N/A	10 MB <sup>5</sup>	10 MB <sup>5</sup>	10 MB <sup>5</sup>
Email-to-Case: Maximum Number of Emails Converted per Day	N/A	N/A	N/A	2,500	2,500	2,500	2,500
Events: Maximum Number of Invitees and Resources for Single-Occurrence Events	N/A	1,000	1,000	1,000	1,000	1,000	1,000
Events: Maximum Number of Invitees and Resources for Recurring Events	N/A	100	100	100	100	100	100

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited Edition	Developer Edition
Extended Mail Merge: Maximum Number of Records	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Extended Mail Merge: Maximum Total Size of Selected Templates	1 MB	1 MB	1 MB	1 MB	1 MB	1 MB	1 MB
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.	100 MB	100 MB	100 MB	100 MB	100 MB	100 MB	100 MB
Fiscal Years: Maximum Number of Custom Fiscal Years	250	250	250	250	250	250	250
Visual Workflow	N/A	N/A	N/A	N/A	<p>For Enterprise, Developer, and Unlimited Editions, each flow can have up to:</p> <ul style="list-style-type: none"> <li>• 10 versions</li> <li>• 2000 steps</li> </ul> <p>Each organization can have up to:</p> <ul style="list-style-type: none"> <li>• 500 active flows</li> <li>• 1000 flows total</li> </ul> <p>The maximum size of an uploaded flow file is 3 MB.</p>		
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
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

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited Edition	Developer Edition
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
On-Demand Email-to-Case: Maximum Email Attachment Size	N/A	N/A	N/A	10 MB	10 MB	10 MB	10 MB
On-Demand Email-to-Case: Maximum Number of Email Messages Processed  (Counts toward limit for Email Services)	N/A	N/A	N/A	Number of user licenses multiplied by 1,000	Number of user licenses multiplied by 1,000	Number of user licenses multiplied by 1,000	Number of user licenses multiplied by 1,000
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	250 times your storage capacity in MBs	250 times your storage capacity in MBs	250 times your storage capacity in MBs	250 times your storage capacity in MBs	250 times your storage capacity in MBs	250 times your storage capacity in MBs	250 times your storage capacity in MBs
Sharing Rules	N/A	N/A	N/A	For Professional, Enterprise, Unlimited, and Developer Editions, administrators can create up to 300 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	N/A	3	5	10	25	Unlimited	100

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited Edition	Developer Edition
(The custom tabs contained in a managed package in a trial state or the managed package of a native application in any state don't count against the limits supported for your Salesforce Edition.)							
Tags	<p>For all editions, a user is limited to a maximum of:</p> <ul style="list-style-type: none"> <li>• 500 unique personal tags</li> <li>• 5,000 instances of personal tags applied to records</li> </ul> <p>Across all users, your organization can have a maximum of:</p> <ul style="list-style-type: none"> <li>• 1,000 unique public tags</li> <li>• 50,000 instances of public tags applied to records</li> <li>• 5,000,000 instances of personal and public tags applied to records</li> </ul>						
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	10	Unlimited	Unlimited	Unlimited	2
Web-to-Case: Maximum Number of New Cases Generated in a 24-hour Period	N/A	N/A	N/A	5,000 <sup>4</sup>	5,000 <sup>4</sup>	5,000 <sup>4</sup>	5,000 <sup>4</sup>
Web-to-Lead: Maximum Number of New Leads Generated in a 24-hour Period	N/A	N/A	N/A	500 <sup>4</sup>	500 <sup>4</sup>	500 <sup>4</sup>	500 <sup>4</sup>

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> Each relationship is included in the maximum number of custom fields allowed.

<sup>4</sup> If your organization exceeds its daily Web-to-Case or Web-to-Lead limit, the default case owner or default lead creator receives a notification email containing information about the case or lead. When your organization reaches the 24-hour limit, salesforce.com stores additional requests in a pending request queue that contains both Web-to-Case and Web-to-Lead



requests. The requests are submitted when the limit refreshes. The pending request queue has a limit of 50,000 combined requests. If your organization reaches the pending request limit, additional requests are rejected and not queued. Your administrator receives email notifications for the first five rejected submissions. Contact [salesforce.com](https://www.salesforce.com) Customer Support to change your organization's pending request limit.

## Analytics Limits



**Note:** Additional dynamic dashboards, scheduled reports, scheduled dashboards, and scheduled analytic snapshots may be available for purchase. Contact your [salesforce.com](https://www.salesforce.com) representative for information.

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited Edition	Developer Edition
Field Filters per Report	N/A	N/A	5	5	10	10	10
Formulas per Report	N/A	N/A	5	5	5	5	5
Scheduled Reports (Emailed reports can be up to 10 MB.)	N/A	N/A	N/A	200 with a maximum of one per hour during off-peak hours only <sup>1</sup>  (Limited to three preferred start times, which can't be changed)	200 with a maximum of one per hour	200 with a maximum of two per hour	200 with a maximum of one per hour during off-peak hours only <sup>1</sup>  (Limited to three preferred start times, which can't be changed)
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	200 with a maximum of one per hour	200 with a maximum of two per hour	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
Analytic Snapshots	N/A	N/A	N/A	200 with a maximum of one per hour during off-peak hours only <sup>1</sup>	200 with a maximum of one per hour	200 with a maximum of two per hour	200 with a maximum of one per hour during

Feature	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Unlimited Edition	Developer Edition
				(Limited to one preferred start time per day, which can't be changed)			off-peak hours only <sup>1</sup> (Limited to one preferred start time per day, which can't be changed)

<sup>1</sup> Off-peak hours are between 6pm and 3am local time.

The following analytics limits apply to all supported editions.

### Report Limits

- The report builder preview shows a maximum of 20 rows for summary and matrix reports, and 50 rows for tabular.
- You can't have more than 250 groups or 4,000 values in a chart. If you see an error message saying that your chart has too many groups or values to plot, adjust the report filters to reduce the number. In combination charts, all groups and values count against the total.
- Reports display a maximum of 2,000 rows. To view all the rows, export the report to Excel or use the printable view for tabular and summary reports.
  - Summary and matrix reports display the first 2,000 groupings when Show Details is disabled.
  - Matrix reports display a maximum of 400,000 summarized values.
  - Matrix reports display a maximum of 2,000 groupings in the vertical axis when Show Details is disabled. If there are more than 400,000 summarized values, rows are removed until the 2,000 groupings limit is met, then columns are removed until the number of summarized values moves below 400,000.

### Dashboard Limits

- Each dashboard can have up to 20 components.
- A dashboard table or chart can display up to 20 photos.
- You must wait at least one minute between dashboard refreshes.

### Report Type Limits

- A custom report type can contain up to 60 object references.
- You can add up to 1000 fields to each custom report type.

### Analytic Snapshot Limits

- The maximum number of rows you can insert into a custom object is 2,000.
- The maximum number of runs you can store is 200.
- The maximum number of source report columns you can map to target fields is 100.

## Campaign Limits

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

Adding Contacts to Campaigns		
Contact Source	Recommended Campaign Member Tool	Maximum Number of Records
A report of existing contacts	Adding 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	Adding Campaign Members from Reports	50,000 per report
A .csv file of new leads	Lead Import Wizard	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

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

Feature	Limit
People and records you can follow	500
Groups you can join	100
Groups in your organization	10,000
Mentions in a single post or comment	10
Favorites	50

Additionally, Chatter limits:

- The number of posts, comments, and tracked field changes stored on the Salesforce servers
- The length of time posts, comments, and tracked field changes are stored on the Salesforce servers
- The number of posts, comments, and tracked field changes an organization can make per day
- The number of email notifications that can be sent per organization per hour

These limits are subject to change at any time. Contact [salesforce.com](https://salesforce.com) for more information.

### Chatter Content Search Limits

The following are file size limits for Chatter content search. This table shows the types of files supported for search and the maximum size a file can be to have the text within the file included in a search. If a file exceeds the maximum size, the text within the file isn't searched.

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
XML	.xml	5 MB
XLS	.xls, .xlsx, .xlsm	5 MB

The maximum file size you can upload is 100 MB.

### Additional Custom Field Limits

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 Edition
Activities	No additional limit	No additional limit	No additional limit	20	100	100	100
Long Text Area Fields	There are no limits to the number of rich text area and long text area fields that an object can contain, although your Edition's limit for the total number of custom fields allowed on an object, regardless of field type, applies.						
Rich Text Area Fields	Each object can contain a total of 1.6 million characters across long text area and rich text area fields. The default character limit for long text area and rich text area fields is 32,768 characters. A long text area or rich text area field needs to contain at least 256 characters.						
Relationship Fields	No additional limit	25	25	25	25	25	25
Roll-up Summary Fields	No additional limit	10	10	10	10	10	10

## Salesforce Knowledge Limits

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

### Salesforce Knowledge Limits

Salesforce Knowledge Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited Edition
Article size	N/A	N/A	N/A	N/A	For Enterprise, Developer, and Unlimited Editions, each article can be up to 10 KB, excluding file field contents, which are counted as Attachments and can have up to 5 MB.		
Article types	N/A	N/A	N/A	N/A	For Enterprise, Developer, and Unlimited Editions you can have up to 100 article types.		
Active data category groups	N/A	N/A	N/A	N/A	For Enterprise, Developer, and Unlimited Editions you can have up to three active data category groups.		

Salesforce Knowledge Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited Edition
Categories per data category group	N/A	N/A	N/A	N/A	For Enterprise, Developer, and Unlimited Editions you can have up to 100 data categories per data category group.		
Data category group hierarchy	N/A	N/A	N/A	N/A	For Enterprise, Developer, and Unlimited Editions you can have up to five levels in your data category group hierarchy.		
Data categories from a data category group assigned to an article	N/A	N/A	N/A	N/A	For Enterprise, Developer, and Unlimited Editions you can assign up to eight data categories from one category group to an article.		

## Picklist Limits

Available in: **All Editions**

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

The maximum number of entries you can have in a standard or custom picklist is determined by the total number of characters allowed in the picklist, which is 15,000 characters. Note that each entry includes a linebreak 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 linebreaks 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 150 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: **Developer**, **Enterprise**, 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
Free Edition	1	10 GB	360 minutes	250,000
Enterprise Edition	25	1 GB for sandbox 40 GB for production	30 minutes for sandbox 60 hours for production	500,000
Unlimited Edition	25	1 GB for sandbox 40 GB for production	30 minutes for sandbox 60 hours for production	1,000,000

## Workflow and Approvals Limits

Workflow and Approvals Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited Edition
Approval Processes	N/A	N/A	N/A	N/A	For Enterprise, Developer, and Unlimited Editions, each approval process can have up to: <ul style="list-style-type: none"> <li>• 15 steps per process</li> <li>• 25 approvers per step</li> </ul> Each organization can have up to: <ul style="list-style-type: none"> <li>• 500 approval processes per object</li> <li>• 1,000 processes per organization</li> </ul>		
Approval Request Comments:	N/A	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 and Approvals Limits	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited Edition
Maximum Number of Characters							
Workflow Rules and Approval Processes	N/A	N/A	N/A	N/A	For Enterprise, Developer, and Unlimited Editions, each workflow rule and approval process can have: <ul style="list-style-type: none"> <li>• 10 time triggers</li> <li>• 40 immediate actions</li> <li>• 40 time-dependent actions per time trigger</li> </ul> Note that for both immediate and time-dependent actions, there can be no more than: <ul style="list-style-type: none"> <li>• 10 email alerts</li> <li>• 10 tasks</li> <li>• 10 field updates</li> <li>• 10 outbound messages</li> </ul>		
Workflow Time Triggers Per Hour  (For more information, see “Time-Dependent Action and Time Trigger Considerations” in the Salesforce online help.)	N/A	N/A	N/A	N/A	500	50	1,000
Workflow Emails Per Day  (For more information, see “Workflow Daily Email Limit” in the Salesforce online help.)	N/A	N/A	N/A	N/A	1,000 per standard Salesforce license	1,000 per standard Salesforce license	1,000 per standard Salesforce license
					2,000,000 per organization	2,000,000 per organization	2,000,000 per organization

### Workflow Alert Emails: Daily Workflow Alert Email Limits

The daily limit for emails sent from workflow and approval-related email alerts is 1,000 per standard Salesforce license per organization. The overall organization limit is 2,000,000. When the daily limit is reached, a warning email goes out to the default workflow user. If the default workflow user isn't set, then the warning email is sent to an active system administrator.

After your organization has reached its 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.

## 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.



**Note:** 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

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

Organization import not available in: **Personal** Edition

Custom object import not available in: **Personal** Edition

Lead import not available in: **Personal** and **Contact Manager** Editions

Solution import not available in: **Personal**, **Contact Manager**, and **Group** Editions

Person account import not available in: **Personal**, **Contact Manager**, **Group**, and **Professional** Editions

This table lists the import limits by type of record, as well as the permissions required for the import and the corresponding help topic in the Salesforce online help.

Which records can be imported?			
Type of record	Import record limit	Users with access	Overview topic
Business accounts and contacts owned by you	500 at a time	All users	What Is Imported for Business Accounts and Contacts?
Business accounts and contacts owned by different users	50,000 at a time	Administrators; Users with the “Modify All Data” permission	What Is Imported for Business Accounts and Contacts?
Person accounts owned by you	50,000 at a time	All users	What Is Imported for Person Accounts?
Person accounts owned by different users	50,000 at a time	Administrators; Users with the “Import Person Accounts” permission	What Is Imported for Person Accounts?
Leads	50,000 at a time	Administrators; Users with the “Modify All Data” permission	What is Imported for Leads?
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.	What is Imported for Campaign Members?
Custom objects	50,000 at a time	Administrators; Users with the “Modify All Data” permission	What Is Imported for Custom Objects?
Solutions	50,000 at a time	Administrators; Users with the “Import Solutions” permission	What Is Imported for Solutions?
Assets Cases Campaigns Contracts	These records cannot be imported via the import wizards.		

Which records can be imported?			
Type of record	Import record limit	Users with access	Overview topic
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.

## 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
Active Rules (Limits apply to any combination of <i>active</i> 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 <i>active</i> and <i>inactive</i> .)	Not Available	Not Available	Not Available	300 per object 1,000 per organization	300 per object 1,000 per organization	300 per object 1,000 per organization	300 per object 1,000 per organization

Restrictions	Personal Edition	Contact Manager	Group Edition	Professional Edition	Enterprise Edition	Developer Edition	Unlimited Edition
Assignment, Auto-response, and Escalation Rules	Not Available	Not Available	Not Available	For Professional, Enterprise, Developer, and Unlimited Editions, each assignment, auto-response, and escalation rule can have: <ul style="list-style-type: none"> <li>• 3,000 rule entries</li> <li>• 300 formula criteria rule entries</li> <li>• 25 filter criteria per rule entry</li> </ul>			
Total Actions Allowed Per Rule	Not Available	Not Available	Not Available	200	200	200	200

## Search Limits

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

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

File Type	File Extensions	Maximum Size
HTML (only the text within a <body> tag)	.htm	5,120 KB
	.html	
	.xhtml	
PDF	.pdf	25,600 KB
PPT	.pot	25,600 KB
	.pps	
	.ppt	
	.pptx	
RTF	.rtf	5,120 KB
Text	.c	5,120 KB
	.cpp	
	.css	
	.csv	
	.ini	
	.java	

File Type	File Extensions	Maximum Size
	.log .sql .txt	
Word	.doc .docx .docm .dot	25,600 KB
XLS	.xls .xlsm .xlsx .xlt	5,120 KB, or a maximum cell limit of 100,000 cells
XML	.xml	5,120 KB



**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

Each Edition includes a minimum amount of data storage and file storage. Professional, Enterprise, and Unlimited Editions receive a per-user storage amount multiplied by the number of users in the organization if the result is greater than the minimum storage amount. Using data storage as an example, an Enterprise Edition organization with 600 users would receive 12,000 MB (12 GB) of data storage, because 20 MB per user multiplied by 600 users is 12,000 MB. A smaller organization, for example a Professional Edition organization with 20 users, would receive 1 GB of data storage because 20 MB per user multiplied by 20 users is only 400 MB, which is less than the 1 GB minimum allotted to all Professional Edition organizations.

The values in the Storage Allocation Per User License column below apply to Salesforce and Salesforce Platform user licenses. The Salesforce Platform Light user license provides 1 MB of data storage and 1 MB of file storage.



**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, bringing the total file storage allocation per user to 612 MB. To find out whether your organization has Salesforce CRM Content enabled, contact your administrator.

Salesforce Edition	Data Storage Minimum per Organization	File Storage Minimum per Organization	Storage Allocation Per User License
Personal	20 MB (approximately 10,000 records)	20 MB	N/A
Contact Manager	1 GB	11 GB	20 MB of data storage and 612 MB of file storage
Group	1 GB	11 GB	20 MB of data storage and 612 MB of file storage
Professional	1 GB	11 GB	20 MB of data storage and 612 MB of file storage
Enterprise	1 GB, plus 2 MB for each Silver Partner license and 5 MB for each Gold Partner license	11 GB	20 MB of data storage and 612 MB of file storage
Unlimited	1 GB, plus 2 MB for each Silver Partner license and 5 MB for each Gold Partner license	11 GB	120 MB of data storage and 612 MB of file storage
Developer	5 MB	20 MB	N/A

If your organization uses custom user licenses, contact [salesforce.com](https://salesforce.com) to determine if these licenses provide additional storage. For a description of user licenses, see “Viewing User License Types” in the Salesforce online help.

## File Related Limits

The following limits are related to files stored in Salesforce.

### File Size Limits

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

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	100 MB	<ul style="list-style-type: none"> <li>2 GB</li> <li>10 MB for Google Docs</li> <li>10 MB for email attachments</li> </ul>	<ul style="list-style-type: none"> <li>10 KB for articles</li> <li>5 MB for attachments</li> </ul>	<ul style="list-style-type: none"> <li>5 MB</li> <li>20 KB for a custom-app logo</li> </ul>	<ul style="list-style-type: none"> <li>5 MB for file attachments</li> <li>100 MB for feed attachments</li> <li>10 MB for files attached to email</li> </ul>

Feature	Files Tab and Chatter	Salesforce CRM Content	Salesforce Knowledge	Documents Tab	Attachments Related List
		<ul style="list-style-type: none"> <li>• 38 MB when uploaded via the API</li> <li>• 10 MB when uploaded via Visualforce</li> </ul>			

## Sandbox Limits

- You can refresh a full copy sandbox 29 days from its previous refresh or creation. If you delete a full-copy sandbox, you must wait 29 days to replace it.
- You can refresh a configuration-only sandbox (including developer sandbox) once per day.
- You may order up to a maximum of three full sandboxes.
- You may order up to a maximum of six configuration-only sandboxes.
- Enterprise Edition includes one Developer Sandbox.
- Unlimited Edition includes one full sandbox with the option to purchase up to three more full sandboxes.

## Sandbox Storage Limits

- Full copy sandboxes have the same storage limit as your production organization.
- Configuration-only sandboxes have a 500 MB storage limit.
- Developer Sandboxes have a 10 MB storage limit.
- Sandboxes do not send email notifications when storage limits are reached. However, if you reach your sandbox's storage limit, you cannot save new data in your sandbox. To check your sandbox's storage limits, click **Your Name** ► **Setup** ► **Data Management** ► **Storage Usage** in your sandbox. For more information on storage limits, see “Monitoring Resources” in the Salesforce online help.

# Force.com Platform Limits

This chapter provides limits for the Force.com platform.

## Apex Limits

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

The following are Apex and batch Apex governor limits.

### Apex Governor Limits

Because Apex runs in a multitenant environment, the Apex runtime engine strictly enforces a number of limits to ensure that runaway Apex does not monopolize shared resources.

Description	Limit
Total number of SOQL queries issued <sup>1</sup>	100
Total number of SOQL queries issued for Batch Apex and future methods <sup>1</sup>	200
Total number of records retrieved by SOQL queries	50,000
Total number of SOSL queries issued	20
Total number of records retrieved by a single SOSL query	200
Total number of DML statements issued <sup>2</sup>	150
Total number of records processed as a result of DML statements, <code>Approval.process</code> , or <code>database.emptyRecycleBin</code>	10,000
Total number of executed code statements	200,000
Total number of executed code statements for Batch Apex and future methods	1,000,000
Total heap size <sup>3</sup>	3 MB
Total heap size for Batch Apex and future methods	6 MB
Total stack depth for any Apex invocation that recursively fires triggers due to <code>insert</code> , <code>update</code> , or <code>delete</code> statements <sup>4</sup>	16
For loop list batch size	200
Total number of callouts (HTTP requests or Web services calls) in a request	10
Maximum timeout for all callouts (HTTP requests or Web services calls) in a request	120 seconds
Default timeout of callouts (HTTP requests or Web services calls) in a request	10 seconds
Total number of methods with the <code>future</code> annotation allowed per Apex invocation <sup>5</sup>	10
Maximum size of callout request or response (HTTP request or Web services call) <sup>6</sup>	3 MB



Description	Limit
Total number of <code>sendEmail</code> methods allowed	10
Total number of describes allowed <sup>7</sup>	100

<sup>1</sup> In a `SOQL` query with parent-child relationship sub-queries, each parent-child relationship counts as an additional 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 script execution.

<sup>2</sup> Calls to the following methods count against the number of DML statements issued in a request.

- `Approval.process`
- `database.emptyRecycleBin`
- `delete` and `database.delete`
- `findSimilar`
- `insert` and `database.insert`
- `merge`
- `rollback`
- `runAs`
- `setSavePoint`
- `update` and `database.update`
- `upsert` and `database.upsert`

<sup>3</sup> Email services heap size is 18 MB.

<sup>4</sup> 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.

<sup>5</sup> Salesforce also imposes a limit on the number of `future` method invocations: 200 method calls per full Salesforce user license, Salesforce Platform user license, or Force.com - One App user license, per 24 hours. This is an organization-wide limit. Chatter Only, Guest User, Customer Portal User, and Partner Portal User licenses aren't included in this limit calculation. For example, suppose your organization has three full Salesforce licenses, two Salesforce Platform licenses, and 100 Customer Portal User licenses. Your entire organization is limited to only 1,000 method calls every 24 hours  $((3+2) * 200)$ , not 105.)

The HTTP request and response sizes are calculated as part of the total heap size. So regardless of this limit, don't exceed the 3 MB total heap size.

<sup>7</sup> Describes include the following methods and objects.

- ChildRelationship objects
- RecordTypeInfo objects
- PicklistEntry objects
- `fields` calls

In addition to the execution governor limits, Apex has the following limits.

- 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 scripts in an organization: 2 MB



**Note:** 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 belong 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.

- If a SOQL query runs more than 120 seconds, the request can be canceled by Salesforce.
- Each Apex request is limited to 10 minutes of execution.
- A callout request to a given URL is limited to a maximum of 20 simultaneous requests.
- 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.
- Each organization is allowed 10 synchronous concurrent events, each not lasting longer than 5 seconds. If additional requests are made while 10 requests are running, it is denied.
- A user can have up to five query cursors open at a time. For example, if five cursors are open and a client application still logged in as the same user attempts to open a new one, the oldest of the five cursors is released.

Cursor limits for different Force.com features are tracked separately. For example, you can have five Apex query cursors, five batch cursors, and five Visualforce cursors open at the same time.

- 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.

## Batch Apex Governor Limits

Keep in mind the following governor limits for batch Apex:

- Up to five queued or active batch jobs are allowed for Apex.
- A user can have up to five query cursors open at a time. For example, if five cursors are open and a client application still logged in as the same user attempts to open a new one, the oldest of the five cursors is released.

Cursor limits for different Force.com features are tracked separately. For example, you can have five Apex query cursors, five batch cursors, and five Visualforce cursors open at the same time.

- A maximum of 50 million records can be returned in the `Database.QueryLocator` object. If more than 50 million records are returned, the batch job is immediately terminated and marked as Failed.
- The maximum value for the optional `scope` parameter is 400. If set to a higher value, Salesforce chunks the records returned by the `QueryLocator` into smaller batches of 400.
- If no size is specified with the optional `scope` parameter, Salesforce chunks the records returned by the `QueryLocator` into batches of 200, and then passes each batch to the `execute` method. Apex governor limits are reset for each execution of `execute`.
- The `start`, `execute` and `finish` methods can implement only one callout in each method.
- Batch executions are limited to one callout per execution.
- The maximum number of batch executions is 250,000 per 24 hours.
- Only one batch Apex job's `start` method can run at a time in an organization.

## API Limits

Available in: **Enterprise, 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 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: <a href="#">DebuggingHeader on API testing calls for Apex</a> specified. Valid in API version 20 and later.	N/A	1,000	1,000
Developer Edition	N/A	5,000	5,000
Force.com Free Edition	<ul style="list-style-type: none"> <li>Salesforce: 1,000</li> <li>Salesforce Platform: 200</li> </ul>	5,000	1,000,000
<ul style="list-style-type: none"> <li>Enterprise Edition</li> <li>Professional Edition with API access enabled</li> </ul>	<ul style="list-style-type: none"> <li>Salesforce: 1,000</li> <li>Salesforce Platform: 1,000</li> <li>Salesforce Platform Light: 200</li> <li>Force.com - One App: 200</li> <li>Force.com - Free: 200</li> <li>Content Only User: 200</li> <li>Gold Partner: 200</li> <li>Silver Partner: 200</li> </ul>	5,000	1,000,000

Salesforce Edition	API Calls Per License Type	Minimum	Maximum
	<ul style="list-style-type: none"> <li>Bronze Partner: 200</li> </ul>		
Unlimited Edition	<ul style="list-style-type: none"> <li>Salesforce: 5,000</li> <li>Salesforce Platform: 5,000</li> <li>Salesforce Platform Light: 200</li> <li>Force.com - One App: 200</li> <li>Force.com - Free: 200</li> <li>Content Only User: 200</li> <li>Gold Partner: 200</li> <li>Silver Partner: 200</li> <li>Bronze Partner: 200</li> </ul>	5,000	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

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 at **Your Name** > **Setup** > **Company Profile** > **Company Information**. 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. For more information, see “About API Usage Notifications” in the Salesforce online help.

## Bulk API Limits

Bulk API Limit	Limit Description
Batch limit	You can submit up to 1,000 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	<ul style="list-style-type: none"> <li>Batches can consist of a single CSV or XML file that can be no larger than 10 MB.</li> </ul>

Bulk API Limit	Limit Description
	<ul style="list-style-type: none"> <li>• A batch can contain a maximum of 10,000 records.</li> <li>• A batch can contain a maximum of 10,000,000 characters for all the data in a batch.</li> <li>• A field can contain a maximum of 32,000 characters.</li> <li>• A record can contain a maximum of 5,000 fields.</li> <li>• A record can contain a maximum of 400,000 characters for all its fields.</li> <li>• A batch must contain some content or an error occurs.</li> </ul>
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	<ul style="list-style-type: none"> <li>• The length of any file name can't exceed 512 bytes.</li> <li>• A zip file can't exceed 10 MB.</li> <li>• The total size of the unzipped content can't exceed 20 MB.</li> <li>• A maximum of 1,000 files can be contained in a zip file. Directories don't count toward this total.</li> </ul>
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.

## Some API Call Limits

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

API Name	API Limit	Limit Description
<code>create()</code>	Maximum number of records created	Your client application can add up to 200 records in a single <code>create()</code> call. If a create request exceeds 200 objects, then the entire operation fails.
<code>describeSObjects()</code>	Maximum number of objects returned	The <code>describeSObjects()</code> call is limited to a maximum of 100 objects returned.
<code>emptyRecycleBin()</code>	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

API Name	API Limit	Limit Description
		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.
<code>getDeleted()</code>	Limits for returned records	<ul style="list-style-type: none"> <li>If your <code>getDeleted()</code> call returns more than 600,000 records and the user is a system administrator, an exception <code>EXCEEDED_ID_LIMIT</code> is returned.</li> <li>If your <code>getDeleted()</code> call returns more than 20,000 records and the user is not a system administrator, an exception <code>OPERATION_TOO_LARGE</code> 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.</li> </ul>
<code>login()</code>	Login request size limit	The login request size is limited to 10 KB or less.
<code>merge()</code>	Merge request limits	<ul style="list-style-type: none"> <li>Up to 200 merge requests can be made in a single SOAP call.</li> <li>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.</li> <li>External ID fields cannot be used with <code>merge()</code>.</li> </ul>
<code>update()</code>	Maximum number of records updated	Your client application can change up to 200 records in a single <code>update()</code> call. If an update request exceeds 200 records, then the entire operation fails.
<code>query()</code> and <code>queryMore()</code>	Batch size limits	<p>By default, the number of rows returned in the query result object (batch size) returned in a <code>query()</code> or <code>queryMore()</code> call is set to 500. WSC clients can set the batch size by calling <code>setQueryOptions()</code> on the connection object. C# client applications can change this setting by specifying the batch size in the call <code>QueryOptions</code> portion of the SOAP header before invoking the <code>query()</code> 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.</p> <p>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.</p>

## Email Limits

The following are limits for the number of external email addresses allowed in single and mass emails sent using the API.

Using the API, 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 application don't count towards this limit.

You can send mass email to a total 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 the Edition of Salesforce you are using:

Edition	Address Limit per Mass Email
Professional	250
Enterprise Edition	500
Unlimited Edition	1,000



**Note:** The mass email limits don't take unique addresses into account. For example, if you have johndoe@example.com in your mass email 10 times, that counts as 10 against the limit.

You can send an unlimited amount of email to your internal users. These limits also apply to emails sent from the API and Apex.

Mass email is not available in: **Personal**, **Contact Manager**, and **Group** Editions.

## Metadata Limits

Available in: **Enterprise**, **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
Deploying metadata	You can deploy up to 50 MB of metadata at one time.
Retrieving metadata	You can retrieve up to 2,500 files or 400 MB of metadata at one time.
Change Sets	Inbound and outbound change sets can have up to 2,500 files or 400 MB of metadata.

## Packages Limits

Note that Aloha Apps don't count towards the total number of apps, objects, and tabs in an organization, although the edition limits still exist for the package as a whole. For example, if your package contains 50 custom objects, it can be installed in a GE or PE edition, and does not count towards the number of custom objects in those organizations. However, if your managed package contains 51 custom objects, it exceeds the edition limits and won't install.

## SOQL and SOSL Limits

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

Feature	Limit	Limit Description
ORDER BY clause in SOQL statement	ORDER BY fields limit	32 fields
Relationship Queries	Relationship query limits	<ul style="list-style-type: none"> <li>No more than 25 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 in one query.</li> <li>No more than 20 parent-to-child relationships can be specified in a query.</li> <li>In each specified relationship, no more than five levels can be specified in a child-to-parent relationship. For example, <code>Contact.Account.Owner.FirstName</code> (three levels).</li> <li>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 <code>Account</code>, the SELECT clause can only specify the <code>Contact</code> or other objects at that level. It could not specify a child object of <code>Contact</code>.</li> </ul>
SOQL statements	Maximum length of SOQL statements	SOQL statements cannot exceed 10,000 characters.
SOSL statements	Maximum length of SOSL statements	SOSL statements cannot exceed 10,000 characters.

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 <code>Id</code> , <code>ContentDocumentId</code> , or <code>LinkedEntityId</code> . The query cannot filter on more than one of the three, and cannot filter on other fields in addition to one of the three fields.
NewsFeed	<ul style="list-style-type: none"> <li>No SOQL limit if logged-in user has “View All Data” permission. If not, specify a LIMIT clause of 1,000 records or fewer.</li> <li>SOQL ORDER BY on fields using relationships is not available. Use ORDER BY on fields on the root object in the SOQL query.</li> </ul>
KnowledgeArticleVersion	<ul style="list-style-type: none"> <li>Always filter on a single value of <code>Language</code> unless: <ul style="list-style-type: none"> <li>There is a filter on <code>Id</code> or <code>KnowledgeArticleId</code></li> <li>The context user has the “Edit Knowledge” profile permission or “View All Data.”</li> </ul> </li> </ul>



Object	Description
	<ul style="list-style-type: none"> <li>Always filter on a single value of <code>PublishStatus</code> unless the query filters on one or more primary key IDs. To support security, only users with the “Manage Articles” permission see articles whose <code>PublishStatus</code> value is <code>Draft</code>.</li> </ul>
UserProfileFeed	<ul style="list-style-type: none"> <li>No SOQL limit if logged-in user has “View All Data” permission. If not, specify a <code>LIMIT</code> clause of 1,000 records or fewer.</li> <li>SOQL <code>ORDER BY</code> on fields using relationships is not available. Use <code>ORDER BY</code> on fields on the root object in the SOQL query.</li> </ul> <p>Also, a SOQL query must include <code>WITH UserId = {userId}</code>.</p>
Vote	<ul style="list-style-type: none"> <li><code>ParentId = [single ID]</code></li> <li><code>Parent.Type = [single type]</code></li> <li><code>Id = [single ID]</code></li> <li><code>Id IN = [list of IDs]</code></li> </ul>

## Visualforce Limits

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

Limit	Value
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