

**Understand How Licenses Work** 

+300 points

~10 mins

**Give Users the Functionality They Need** 

•0 Intermediate

~5 mins

**Keep Up with Upgrades and Add-ons** 

~5 mins

## Give Users the Functionality They Need

## **Learning Objectives**

After completing this unit, you'll be able to:

- Explain how permissions and preferences are implemented at the org and user levels. Define profiles and permission sets.
- Describe how admins use profiles and permission sets to control user access to functionality.

## As you learned earlier, platform, user, and permission set licenses contain permissions and preferences, or perms and

Behind the Curtain: Permissions and Preferences

prefs, which are metadata settings that define access to product functionality. But where do perms and prefs come from? Developers at Salesforce create perms and prefs when they develop new software features. After they create the new perms or prefs, developers may add them to an existing license if the new features are related to existing functionality, or they may create a new license.

that a given user has access to. (As a reminder, prefs are settings that customers can turn off or on.) Let's take a closer look.

Specify features and capabilities for the org as a whole. Platform-level perms are turned on or off by the provisioning

system, based on what a customer purchases. As a customer, you can't turn platform-level perms on or off. Examples of

Platform-level and user-level perms and prefs in licenses get implemented in different ways to determine the functionality

#### platform-level perms include support for creating custom objects or making API requests.

Platform-level perms

Platform-level prefs Like platform-level perms, these prefs also specify features and capabilities for the org as a whole. Unlike platform-level

perms, as an org admin you can turn platform-level prefs on or off, usually through Setup. Examples of platform-level prefs

#### include language settings and time zone settings.

User-level perms Specify functionality for individual users. As an admin, you use profiles and permission sets to control which user perms in a license are activated for a given user, so that users with the same license can have different levels of functionality. We

#### explain more about how you modify user-level perms later in this unit.

User-level prefs

Specify personalization choices, such as tab display. Each user can configure user prefs for themselves. (User prefs don't control functionality related to feature access or security.)

#### As an org admin, you assign each user one user license that defines user-level functionality. As we mentioned in Unit 1, an

editions include the option to create custom permission sets.

**USER LICENSE** 

Perm 4

Profiles and Permission Sets: Setting User Functionality

org may have multiple user license types, such as Full CRM, Chatter Only, and so on. As an admin you assign the user license that best suits the user's role. Optionally, you may assign each user one or more permission set licenses, to grant the user access to functionality not included in the assigned user license. Metadata settings in the assigned licenses define how users access objects and data, and what they can do within the application.

The assigned licenses define the maximum functionality available to the user. But many times, users with similar roles have

different responsibilities. At Ursa Major Solar, 100 users need the Full CRM user license with access to data and objects.

But, the users need different levels of access. Some users only need to read records, some need to create and delete records, and some need to create new objects. Salesforce doesn't provide a different user license for every possible variation of user access. Instead, Salesforce provides admins with tools to modify the access that is defined in user licenses and permission set licenses, so that each license can be tailored to fit numerous different user roles. As an admin, you use profiles and permission sets to modify the access defined in licenses. **Profile** A subset of the functionality defined in a user license or permission set license. As an admin you assign each user one

### profile, based on the user's job requirements. The functionality in the profile can't exceed the functionality in the user

have any functionality that exceeds their job requirements. For example, a user license may provide the capability to read, edit, and delete records, but an assigned profile may only provide the capability to read and edit records. The profile defines baseline functionality for the user, which can't be revoked as long as the profile is assigned. Each Salesforce edition includes several standard profiles. Some editions include the option to create custom profiles. Permission set Like a profile, a permission set is a subset of the functionality defined in a user license or permission set license. But, while

a user can have just one profile, each user can be assigned multiple permission sets. Each permission set can extend a user's access beyond the functionality defined in the profile. Like profiles, permission sets can't exceed the functionality defined in the assigned user license or permission set licenses. Salesforce provides standard permission sets, and some

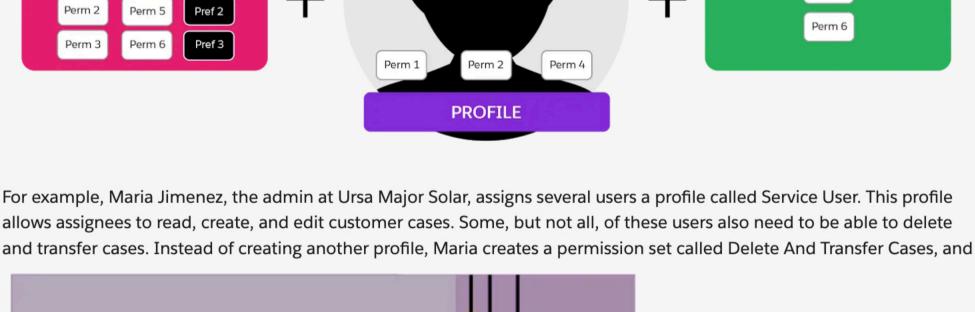
license or permission set licenses assigned to the user. Profiles ensure that users have the functionality they need, but don't

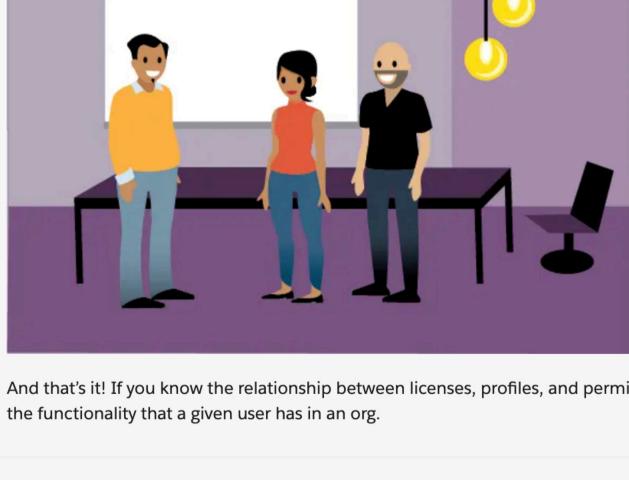
can use permission sets to reduce the number of unique profiles you need to create, and to reduce the number of permissions you need to include in the profiles.

**PERMISSION SET** 

So, why would you use both profiles and permission sets? The profile, as we described, defines the baseline access for a

user. Permission sets provide a way to layer additional functionality, to supplement the baseline. With permission sets, as an admin you can grant functional access to a user for specific scenarios, regardless of the user's primary job function. You





And that's it! If you know the relationship between licenses, profiles, and permission sets, you understand what determines

# Permission set

Terms from This Unit

# that can extend the functionality in the profile assigned to a user. Each user may be assigned one or more permission sets.

Note that a permission set is different from a permission set license, defined in the first unit. **Profile** A group of user-level settings that comprise a subset of the functionality defined in a user license or permission set license.

A subset of the functionality defined in a user license or permission set license. Permission sets are optional supplements

- Resources
  - Salesforce Help: Profiles Salesforce Help: Permission Sets

Blog Post: Permission Sets: The Elegant Solution to Preventing Permissions Chaos

Each user is assigned one profile, which defines the baseline functionality enabled for the user.