



Course Manager by Skytap One-Click Lab Workflow

INTRODUCTION

The One-Click workflow simulates an integration between Course Manager and an external system, such as an intranet site, partner portal, or learning management system (LMS). It combines the Course Manager request portal workflow, an SSO integration, and a course-specific deep link that is embedded within the external system.

ASSUMPTIONS

- The users who will be requesting and accessing labs must be authenticated Course Manager users – typically limited access "Lab" users.
- To achieve a true single-click experience, users should authenticate to both Course Manager and your external application via the same SSO system.

COMPLEMENTARY CAPABILITIES

One-Click works with several other Course Manager features to create the best experience possible for administrators and end users. Please refer to Skytap Help or contact us for more information about these capabilities.

- Course Manager supports just-in-time provisioning of user accounts when users authenticate via SSO, as well as automatic deletion of idle users. These can be important components of the One-Click experience, making access seamless even for first-time users while minimizing overhead associated with user management.
- One-Click is compatible with Course Manager's geolocation feature. Customers can configure multiple regional copies of a template within a single course. Then, at provision time, Course Manager can dynamically select the course template geographically closest to the user for optimal performance. To enable this feature, search for "geolocation" on the Admin > Settings page.
- One-Click is compatible with Course Manager's Entitlements capability. By applying an entitlement to a course, and then applying that entitlement to a subset of users, customers can restrict visibility and availability of that course to the selected users. Entitlements can be assigned to users manually, and can also be dynamically assigned based on SAML attributes sent by your SSO provider.
- Course Manager allows Lab users to be restricted to a certain number of concurrent labs. This can be helpful to ensure that users do not provision a large number of labs at once via the One-Click workflow.
- Course Manager's standard retention rules apply to labs provisioned through the One-Click workflow to help control your cloud consumption costs.

LIMITATIONS & NOTES

- Because this solution does not involve a true integration between applications, there is no ability to limit lab access based on data in the external system.
- While each One-Click URL launches only labs for a particular course, it can be trivially modified to reference another course in the system. A URL can also be shared with other users of the system, enabling those users to provision their own labs. Further, users may find that by modifying the URL, they can access the Course Manager home page where they can view their provisioned labs and provision new ones.
- This workflow is specific to the Labs module of Course Manager and is not available for Events.



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ONE-CLICK SETUP

Enable One-Click by logging into Course Manager, and navigating to Admin > Settings. Search for "one-click" to find the correct section:

The screenshot shows the 'Settings' page in Skytap. A search bar at the top contains 'one-click'. Below the search bar, a list of settings is displayed. The first setting is 'Enable one-click provisioning?' with a description: 'Allow users to request a lab using one-click provisioning. SSO access must be set up before using this feature.' The second setting is 'Use existing lab if available?' with a description: 'Direct lab end users to their existing lab, if one exists. If this option is disabled, a new environment will be provisioned each time a lab end user attempts to access their lab.' Both settings have dropdown menus set to 'Yes'.

There are two settings to configure:

- Enable one-click provisioning?
 - Set this to Yes to enable the feature.
- Use existing lab if available?
 - Determines whether a user clicking a One-Click link should be sent back to their existing lab for that course if one already exists. For most customer use cases, the best choice is Yes.

Next, ensure each course you wish to configure with One-Click has been assigned a course identifier:

To-Do App with Kubernetes & CosmosDB Edit Lab Course

The screenshot shows the configuration page for the 'To-Do App with Kubernetes & CosmosDB' course. The 'Name' field is filled with 'To-Do App with Kubernetes & CosmosDB'. The 'Identifier' field is filled with 'ToDoApp'.

Finally, create a One-Click URL and embed it within the external system. Simply substitute your Course Manager subdomain and course identifier for the bracketed components in the following URL:

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https://<CourseManagerSubdomain>.skytap-portal.com/self_learner_one_click/phase1?course_identifier=<CourseIdentifier>
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