

ERPsim

2021 Edition

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10th ERPsim User Group Meeting
Online | June 9, 2021

ERPsimLab
HEC MONTRÉAL

Serious games to learn enterprise
systems and business analytics

Agenda

1. Features
2. Simulator's User Interface
3. Demo
4. Instructional Assets and Curricula
5. Training

Features

Features

SAP System

SAP S/4HANA 2020

UI

SAP Fiori

SAP GUI

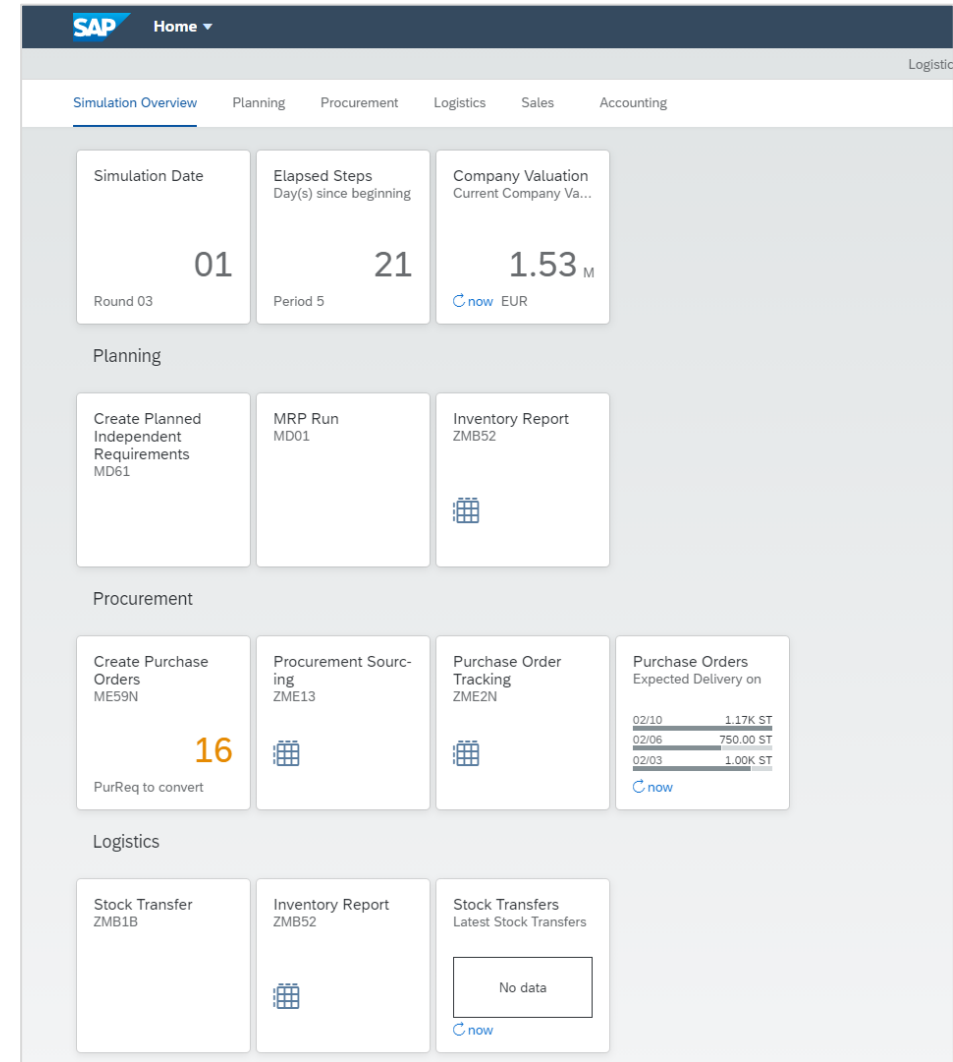
Analytics

SAP GUI reports

Smart Business*

OData Service 2.0*

* Logistics, Manufacturing and Retail games only



SAP Fiori Launchpad configured for the Logistics Extended game

High-Capacity SAP Client

Features

- 9 sets of 26 company codes
- 200 company codes for exercises and configuration

Benefits

- Client refreshes not required anymore
- Data from previous game (on this client) is accessible
- Simplified user accounts

Teams, Company Codes and Company Sets

Team

Group of students,
designated by each of
the 26 letters of the
English Alphabet



Company Set

Group of 26 Company
Codes that can be used
in a single game



Company Code

Organizational element
representing each of
the competing
companies in a game

"I am in team A!"



*"We are playing with
company set 2."*



*"My Company Code is
A2!"*

High-Capacity SAP Client

Example

You set these in ZSTART

Game #	Teams	Student Login	Scenario	Company Set	Company Codes	e.g. Product Codes
1	A, B	A_#, B_#	Manufacturing Introduction	1	AA, BB	AA-F##, BB-F##
2	A, B	A_#, B_#	Manufacturing Extended	2	A2, B2	AA-F##, BB-F##

Before game #1, you assign the teams.

For following games, students keep using the **same SAP user account**.

Changes to company structure and authorizations are done automatically in the background.

Only the organizational structure changes: identifiers for master data are shared across sets.

OData Services Overhaul

Features

- Single sign-on with the ERP accounts
- Client number embedded in service URL
- OData access options (ZODATA)
 - Access across company sets
 - Access all teams data

Available entities

- BOM_Changes
- Carbon_Operations
- Company_Valuation
- Current_Inventory
- Current_Inventory_KPI
- Current_Suppliers_Prices
- Financial_Postings
- Goods_Movements
- Independent_Requirements
- Inventory
- Market
- Marketing_Expenses
- NPS_Surveys
- Pricing_Conditions
- Production
- Production_Orders
- Purchase_Orders
- Sales
- Stock_Transfers
- Suppliers_Prices

OData Services Overhaul

All users (admin and students) can find the URL, account and entity list under "OData Services" in Fiori.



OData Services

OData services provide real-time access to data from the simulation. Refer to the documentation for more details.

Service URL

Use the URL to connect to the OData service. Some applications require adding the entity name at the end of the URL. Open the "Advanced" panel for the complete list of entities.

URL (case sensitive)

User Account and Password

Username

Password Same as your own password for this SAP platform

Advanced

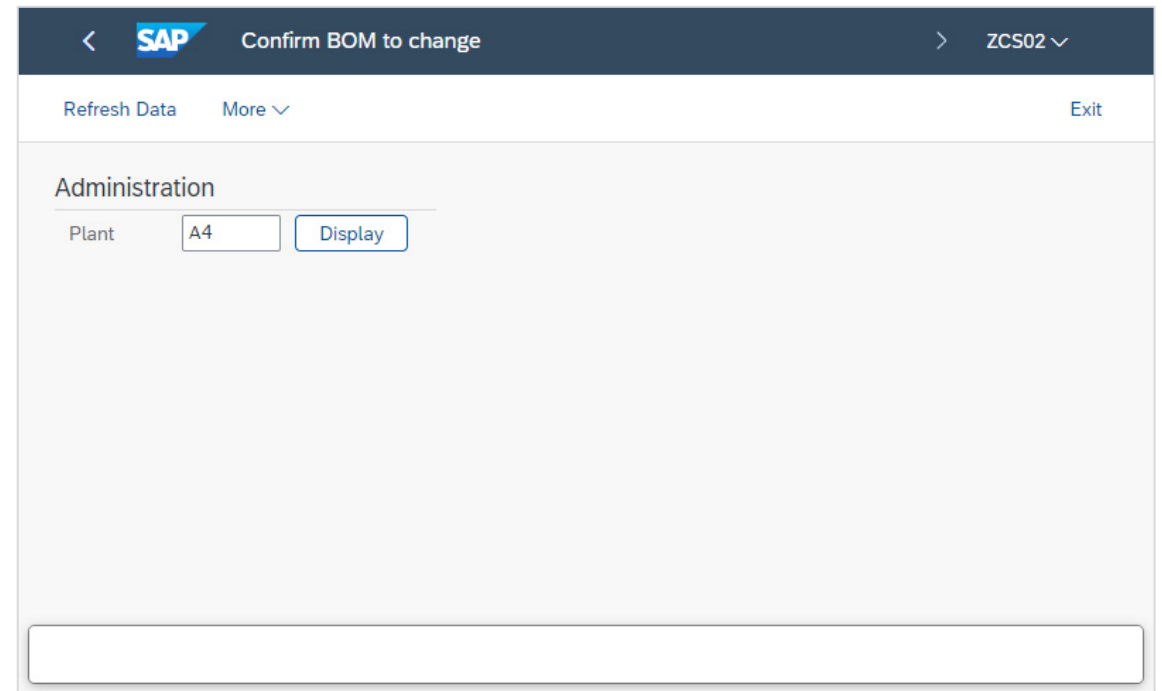
URL (case sensitive)

Entities

[Documentation](#) [Close](#)

Custom Transactions (Z*) Redesign

- Admin accounts can now access custom transactions and interact with them like students would.
- Transactions:
 - ZADS
 - ZCK11
 - ZCS02
 - ZFF7B
 - ZMB1B
 - ZORG
 - ZVAL



The screenshot shows the SAP 'Confirm BOM to change' transaction interface. The top bar includes the SAP logo, the title 'Confirm BOM to change', and a dropdown menu for 'ZCS02'. Below the top bar, there are buttons for 'Refresh Data', 'More', and 'Exit'. The main content area is titled 'Administration' and contains a 'Plant' field with the value 'A4' and a 'Display' button. At the bottom, there is a large empty rectangular box.

Custom Transactions (Z*) Redesign

- Transaction ZCS02 now provides a status for each recipe.
- Admin accounts can modify recipes without restriction

The screenshot shows the SAP ZCS02 transaction interface. At the top, there's a header bar with the SAP logo and the title 'Confirm BOM to change'. Below this, there's a navigation bar with 'Refresh Data' and 'More' options. The main content area is titled 'Administration' and includes a 'Plant' dropdown set to 'AA' and a 'Display' button. A message states: 'Select the material for which you want to change the recipe by clicking on the corresponding "Edit BOM" button. An invalid BOM will prevent you from selling any quantity of this material. Please make sure all of your BOMs are valid before ordering new materials.' Below this, a table lists materials and their BOM status:

AA-F01	500g Nut Muesli: <input type="checkbox"/>	Edit BOM
AA-F02	500g Blueberry Muesli: <input type="checkbox"/>	Edit BOM
AA-F03	500g Strawberry Muesli: <input type="checkbox"/>	Edit BOM
AA-F04	500g Raisin Muesli: <input type="checkbox"/>	Edit BOM
AA-F05	500g Original Muesli: <input type="checkbox"/>	Edit BOM
AA-F06	500g Mixed Fruit Muesli: <input type="checkbox"/>	Edit BOM
AA-F11	1kg Nut Muesli: <input type="checkbox"/>	Edit BOM
AA-F12	1kg Blueberry Muesli: <input type="checkbox"/>	Edit BOM
AA-F13	1kg Strawberry Muesli: <input type="checkbox"/>	Edit BOM
AA-F14	1kg Raisin Muesli: <input type="checkbox"/>	Edit BOM
AA-F15	1kg Original Muesli: <input type="checkbox"/>	Edit BOM
AA-F16	1kg Mixed Fruit Muesli: <input type="checkbox"/>	Edit BOM

Legend:
☐ Valid BOM
☐ Invalid BOM

Simulator's User Interface

Simulator

New responsive interface to manage games

Games

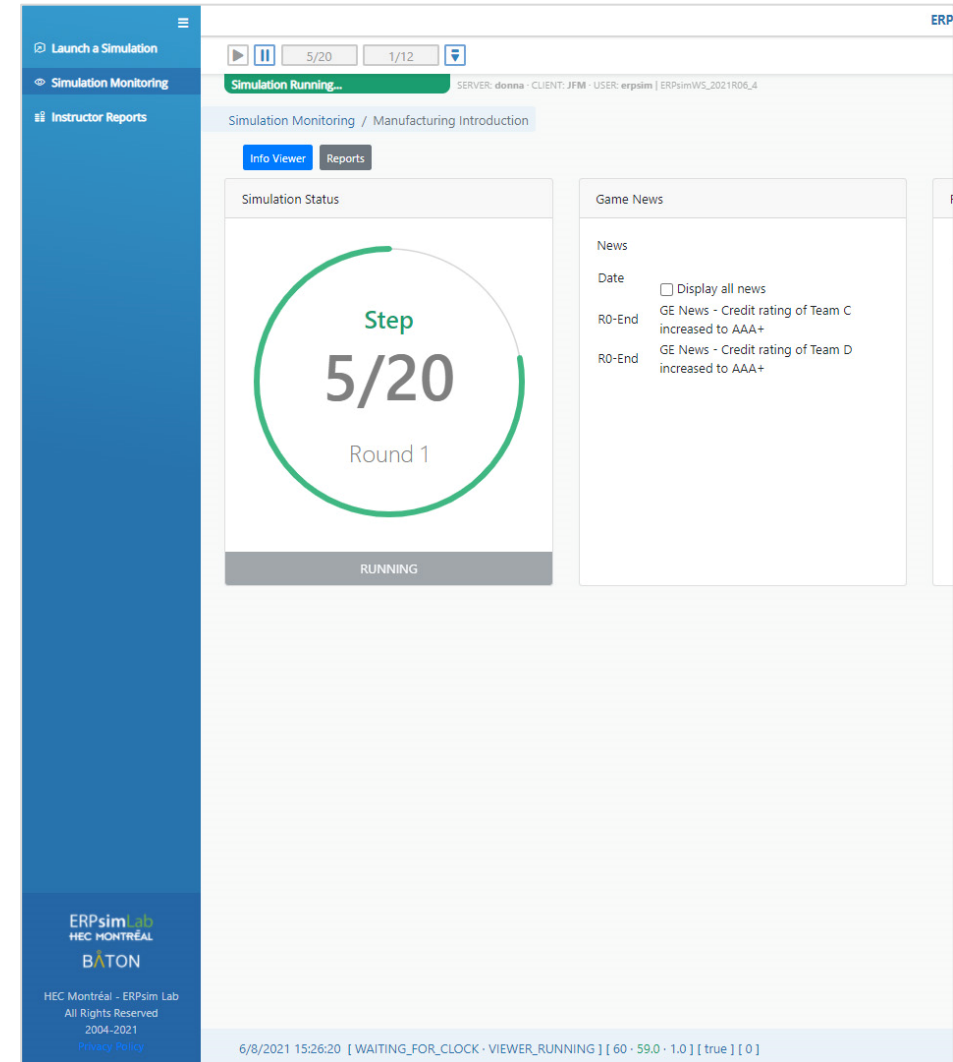
All

Reporting

Live and End-of-round
Leaderboard /
Comparator

UI

Fluid and Legacy available



Viewer page of the simulator
Running state

Demo

ERPsim Academic Edition 2021

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Instructional Assets and Curricula

Videos for SAP Fiori UI

- All new set of videos (with narration) for:
 - Retail game
 - Integrated Business Processes (Cash-to-Cash) for Manufacturing
 - Role-based Videos for Logistics Platinum

erpsim.hec.ca/learning
Videos > SAP Tutorial Videos (SAP Fiori)

The screenshot displays the SAP Fiori Financial Statements interface. The title bar indicates 'F.01 - Financial Statements' and 'Display Financial Statement'. The main content area shows a Balance Sheet for Company JJ (Company J) in 2020. The table lists various accounts and their balances, comparing the current period (2020) with the comparison period (2019). The accounts are categorized into Assets, Liabilities and Owners' Equity, and Income Statement. The table includes columns for Description, G/L Account, Period Balance, Comparison Balance, Absolute Difference, and Relative Difference.

Description	G/L Account	Period Balance	Comparison Balance	Absolute Difference	Relative Difference
Balance Sheet		0.00 EUR	0.00 EUR	0.00 EUR	0.0
Assets		-1,100,000.00 EUR	0.00 EUR	-1,100,000.00 EUR	0.0
Liabilities and Owners' Equity		1,100,000.00 EUR	0.00 EUR	1,100,000.00 EUR	0.0
Income Statement		100,000.00 EUR	0.00 EUR	100,000.00 EUR	0.0
Net Income (Loss)		-100,000.00 EUR	0.00 EUR	-100,000.00 EUR	0.0

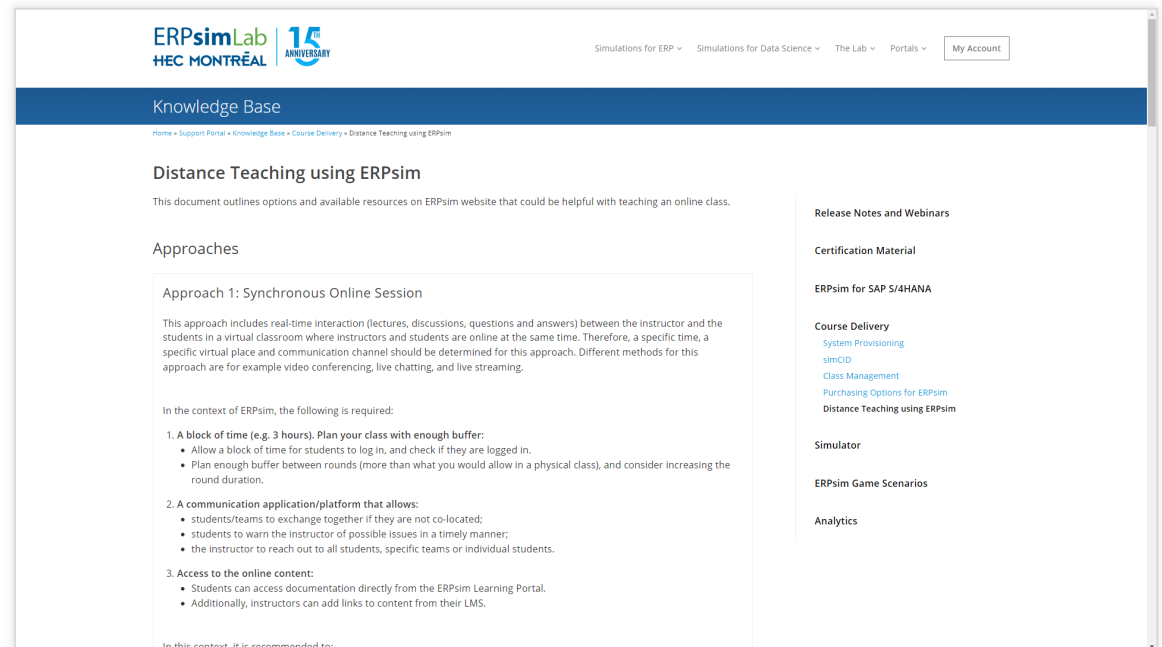
Distance Teaching

A collection of tips and tricks on how to run ERPsim in a distance teaching context:

- Synchronous and Asynchronous approaches
- Efficient communications with participants
- Technical considerations
- A list of available resources

Teaching notes, resources, tips and tricks

<https://erpsim.hec.ca/en/node/606>



Become a Certified ERPsim User

For New ERPsim Users

This certification provides you all the necessary knowledge to run an ERPsim simulation game in a classroom setting, and is required to be able to use any of the simulation games provided by the Lab.

Learn more at
ersim.hec.ca/certification

Online Course

Complete the
Online Course
in self-study mode



Session with our team

Register for a
one-on-one session with our
team. We'll answer all your
questions!



Receive your simCID
and start using ERPsim
immediately!

Advanced ERPsim and Certified Trainer

For Experienced Users **Available July 2021**

For experienced users who are interested in becoming ERPsim trainers and certify other faculty members

Learn more at
ersim.hec.ca/certification

Online Course: Advanced topics

Complete the
Online Course
in self-study mode



For TTT: Write a short exam

This is a short essay where you
explain your plan and
objectives for training other
faculty!



You will be able to train other
faculty and certify them as
Level 1 instructors

Questions

Thank You!

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