ITI8801 · Practice 1

Known problems and fixes

What blocked students in week 1, and what to do about it. Siim Rebane · TalTech · Autumn 2026

The problem: no usable VM size, or a refused deployment

What it looks like:

- *Size* on the VM form lists nothing usable, or every size says *not available*
- or the deployment starts and fails, with an error that mentions a **policy**

What is behind it: an Azure for Students subscription comes with a policy called **Allowed resource deployment regions**. It is a list of about five regions, and the list **differs from subscription to subscription**. Anything created outside the list is refused.

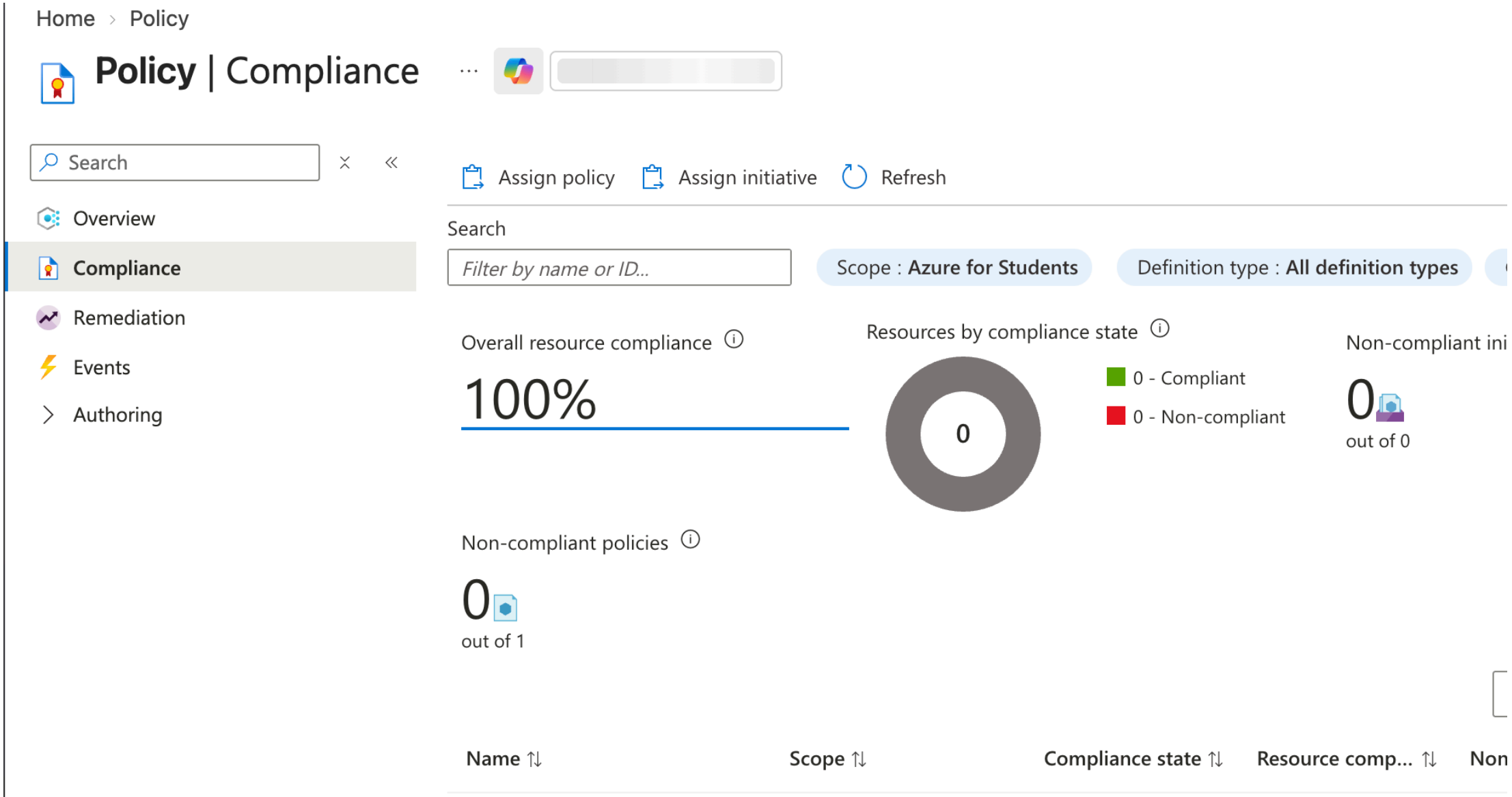
The region dropdowns still offer every region in the world. Nothing on the form says which ones your subscription may use.

Fix 1 — find your allowed regions

1. Portal search box → **Policy** → in the left menu **Compliance**
2. The table has one row: **Allowed resource deployment regions**. Click it
3. **View assignment** in its toolbar
4. The **Parameters** tab → row *Allowed locations*. The *Parameter value* is your list, cut off in the table; the copy icon next to it gives all of it

Pick one region from that list and use it for everything, all semester.

Fix 1 — the Compliance page



Fix 1 — the list

Allowed resource deployment regions

Policy Assignment

Edit assignment | Delete assignment | Duplicate assignment | View compliance | View definition | Create exemption | Create remed

Essentials

Name	: Allowed resource deployment regions	Scope	: Azure for Students
Definition version	: 1.*.*	Excluded scopes	: --
Description	: --	Definition type	: Policy
Assignment ID	: /subscriptions/...	Policy enforcement	: Default
Assigned by	: --		

Parameters (1) | Resource selectors (0) | Overrides (0) | Exemptions (0) | Remediation (0) | Deployed resources | Managed Identity

Search by parameter name | All types

Parameter ID	Parameter name	Parameter value	Policy assignment paramet
listOfAllowedLocations	Allowed locations	["denmarkeast","francecentral","italynorth","swe...	User defined parameter

Fix 2 — the resource group's region

A resource group can be created in **any** region, the allowed list does not apply to it, and the VM form then offers the group's region as the default. A group in the wrong region quietly steers every VM into a refused region.

Resource groups → your group → *Overview* → **Location**. If it is not on your list: create a new group in an allowed region and use that one.

Fix 3 — the VM form, three fields

On the VM's **Basics** tab, before anything else:

- *Subscription* **Azure for Students**, *Resource group* **your group**, not one the form picked
- *Region* **one from your allowed list**. The form fills it from the group; check it anyway
- *Availability options* **No infrastructure redundancy required**. The default pins the VM to one zone of the region, and a size can be out of stock in one zone while another zone has it. With no zone pinned, Azure puts the VM where the size exists

The pinned-zone default is the usual reason a size that exists in your region still says *not available*.



Then

With the region on the list, the group in that region and no zone pinned, *See all sizes* shows the free-tier size, **B2ats_v2** or **B1s**, and the deployment goes through.

If it still does not: ask, in the practice session or by e-mail, with a screenshot of the error.