

Item 383

git_comments:

1. ! \brief The max number of register per block.
2. ! \brief The max number of threads per block.
3. ! \brief The max shared memory per block in bytes.

git_commits:

1. **summary:** [AutoScheduler] Misc update to hardware parameter and task scheduler (#7020)
message: [AutoScheduler] Misc update to hardware parameter and task scheduler (#7020) *
[AutoScheduler] Mics update to hardware parameter and task scheduler * update * update * update *
update * fix * fix * update * improve warning message * update * lint * update * update * fix * Apply
suggestions from code review * trigger CI

github_issues:

github_issues_comments:

github_pulls:

1. **title:** [AutoScheduler] Misc update to hardware parameter and task scheduler
body: - Expose all fields of hardware parameters to its constructor - Add `LogEstimatedLatency` to the
default callback list in task scheduler.

github_pulls_comments:

1. cc @jcf94

github_pulls_reviews:

1. How about exposing them under the `tvm/_ffi/runtime_ctypes.py` like ```python @property def
max_thread_dimensions(self): ``` This will bring convenience when we want to get these values in our
`HardwareParams` like (mali target)
2. This is already supported by `VisitAttrs`
3. What I meant is we add code wrapper using `attr` like this: ```python @property def
max_registers_per_block(self): """Return max registers per block""" return
self._GetDeviceAttr(self.device_type, self.device_id, 9) ``` Otherwise we access these property will not
be convenient like other property `max_shared_memory_per_block` supported before.
4. This is irrelevant to this PR. We can do it in other PRs.
5. It is ok to me.
6. Please take another look and approve. Thanks!
7. `with autotvm`?
8. `with autotvm`?
9. ```suggestion logger.warning("group_conv2d is not optimized for x86 with autotvm.") ```
10. ```suggestion logger.warning("group_conv2d is not optimized for x86 with autotvm.") ```
11. ```suggestion logger.warning("conv2d NHWC layout is not optimized for x86 with autotvm.") ```
12. ```suggestion logger.warning("conv2d HWCN layout is not optimized for x86 with autotvm.") ```
13. ```suggestion """Return whether the auto-scheduler is enabled. ```

jira_issues:

jira_issues_comments: