```
Last login: Tue Feb 13 20:00:24 on ttys000
(base) xinchaochen@nuthatch-402 theme % jupyter lab –watch
usage: jupyter-lab [-h] [--debug] [--show-config] [--show-config-json] [--generate-config] [-y] [--allow-root] [--no-browser] [--autoreload] [--script] [--no-script]
                   [--core-mode] [--dev-mode] [--splice-source] [--expose-app-in-browser] [--extensions-in-dev-mode] [--collaborative]
                   [--future-skip-styles-for-disabled] [--log-level SERVERApp.log_level] [--config ServerApp.config_file] [--ip ServerApp.ip] [--port ServerApp.port]
                   [--port-retries ServerApp.port_retries] [--sock ServerApp.sock] [--sock-mode ServerApp.sock_mode] [--transport KernelManager.transport]
                   [--keyfile ServerApp.keyfile] [--certfile ServerApp.certfile] [--client-ca ServerApp.client_ca] [--notebook-dir ServerApp.root_dir]
                   [--preferred-dir ServerApp.preferred_dir] [--browser ServerApp.browser] [--pylab ServerApp.pylab] [--gateway-url GatewayClient.url]
                   [--watch [LabApp.watch]] [--app-dir LabApp.app_dir]
                   [extra_args ...]
jupyter-lab: error: argument –watch: expected one argument
(base) xinchaochen@nuthatch-402 theme % jupyter lab --watch
[I 2024-02-13 21:57:01.675 ServerApp] Package jupyterlab took 0.0000s to import
[I 2024-02-13 21:57:01.682 ServerApp] Package jupyter_server_fileid took 0.0062s to import
[I 2024-02-13 21:57:01.691 ServerApp] Package jupyter_server_mathjax took 0.0080s to import
[I 2024-02-13 21:57:01.728 ServerApp] Package jupyter_server_terminals took 0.0363s to import
[I 2024-02-13 21:57:02.141 ServerApp] Package jupyter_server_ydoc took 0.4126s to import
[I 2024-02-13 21:57:02.141 ServerApp] Package nbclassic took 0.0000s to import
[W 2024-02-13 21:57:02.145 ServerApp] A `_jupyter_server_extension_points` function was not found in nbclassic. Instead, a `_jupyter_server_extension_paths` function was
found and will be used for now. This function name will be deprecated in future releases of Jupyter Server.
[I 2024-02-13 21:57:02.146 ServerApp] Package notebook_shim took 0.0000s to import
[W 2024-02-13 21:57:02.146 ServerApp] A `_jupyter_server_extension_points` function was not found in notebook_shim. Instead, a `_jupyter_server_extension_paths` function
was found and will be used for now. This function name will be deprecated in future releases of Jupyter Server.
[I 2024-02-13 21:57:02.152 ServerApp] jupyter_server_fileid | extension was successfully linked.
[I 2024-02-13 21:57:02.156 ServerApp] jupyter_server_mathjax | extension was successfully linked.
[I 2024-02-13 21:57:02.160 ServerApp] jupyter_server_terminals | extension was successfully linked.
[I 2024-02-13 21:57:02.165 ServerApp] jupyter_server_ydoc | extension was successfully linked.
[I 2024-02-13 21:57:02.170 ServerApp] jupyterlab | extension was successfully linked.
[I 2024-02-13 21:57:02.176 ServerApp] nbclassic | extension was successfully linked.
[I 2024-02-13 21:57:02.864 ServerApp] notebook_shim | extension was successfully linked.
[I 2024-02-13 21:57:03.088 ServerApp] notebook_shim | extension was successfully loaded.
[I 2024-02-13 21:57:03.088 FileIdExtension] Configured File ID manager: ArbitraryFileIdManager
[I 2024-02-13 21:57:03.089 FileIdExtension] ArbitraryFileIdManager : Configured root dir: /Users/xinchaochen/Desktop/RCOS/elyra/packages/theme
[I 2024-02-13 21:57:03.089 FileIdExtension] ArbitraryFileIdManager : Configured database path: /Users/xinchaochen/Library/Jupyter/file_id_manager.db
[I 2024-02-13 21:57:03.093 FileIdExtension] ArbitraryFileIdManager : Successfully connected to database file.
[I 2024-02-13 21:57:03.093 FileIdExtension] ArbitraryFileIdManager : Creating File ID tables and indices with journal_mode = DELETE
[I 2024-02-13 21:57:03.097 FileIdExtension] Attached event listeners.
[I 2024-02-13 21:57:03.097 ServerApp] jupyter_server_fileid | extension was successfully loaded.
[I 2024-02-13 21:57:03.098 ServerApp] jupyter_server_mathjax | extension was successfully loaded.
[I 2024-02-13 21:57:03.099 ServerApp] jupyter_server_terminals | extension was successfully loaded.
[I 2024-02-13 21:57:03.100 ServerApp] jupyter_server_ydoc | extension was successfully loaded.
[I 2024-02-13 21:57:03.107 LabApp] JupyterLab extension loaded from /Users/xinchaochen/opt/anaconda3/lib/python3.9/site-packages/jupyterlab
[I 2024-02-13 21:57:03.107 LabApp] JupyterLab application directory is /Users/xinchaochen/opt/anaconda3/share/jupyter/lab
[I 2024-02-13 21:57:03.108 LabApp] Starting JupyterLab watch mode...
[W 2024-02-13 21:57:03.541 LabApp]
    "button@0.1.0" is not compatible with the current JupyterLab
    Conflicting Dependencies:
    JupyterLab              Extension            Package
    >=3.6.7 <3.7.0          >=4.0.0 <5.0.0       @jupyterlab/application
    >=3.6.7 <3.7.0          >=4.0.0 <5.0.0       @jupyterlab/apputils
    >=3.6.7 <3.7.0          >=4.0.0 <5.0.0       @jupyterlab/notebook
    >=1.10.0 <2.0.0         2.1.2                @lumino/disposable


[I 2024-02-13 21:57:36.858 LabApp] > node /Users/xinchaochen/opt/anaconda3/lib/python3.9/site-packages/jupyterlab/staging/yarn.js run watch
yarn run v1.21.1
$ webpack --watch
    Package
    >=3.6.7 <3.7.0          >=4.0.0 <5.0.0       @jupyterlab/application
    >=3.6.7 <3.7.0          >=4.0.0 <5.0.0       @jupyterlab/apputils
    >=3.6.7 <3.7.0          >=4.0.0 <5.0.0       @jupyterlab/notebook
    >=1.10.0 <2.0.0         2.1.2                @lumino/disposable


[Iassets by path *.js 47.3 MiB
  assets by chunk 29.3 MiB (id hint: vendors) 43 assets
assets by chunk 2.79 MiB (auxiliary id hint: vendors)
  assets by path *.svg 1.73 MiB 3 assets
  assets by path *.eot 363 KiB 3 assets
  assets by path *.ttf 362 KiB 3 assets
  assets by path *.woff 203 KiB
    asset 74edc18b67c487e32f181719fdb347e2e77020744651f446e9acd7bd6821e2e7.woff 99.3 KiB [emitted] (auxiliary id hint: vendors)
    asset aff76e5c986f295d4bc6f8142a78e2a31888b101c2d025db89f79c75f64fd90b.woff 87.9 KiB [emitted] (auxiliary id hint: vendors)
    asset 14c9db4ff87fde08f67b0a69dd594bab6d87174812a0dbd34c59833bfed8cc0e.woff 15.9 KiB [emitted] (auxiliary id hint: vendors)
  assets by path *.woff2 164 KiB
    asset d0b4256abed72481585662971262eabee345c19f837af00d7ce24239d3b40eef.woff2 76.4 KiB [emitted] (auxiliary id hint: vendors)
    asset 43c072c16c9ee6d67acdfa6c6d6685ff1e74eb4237b7cc3c1348ab1c108b26af.woff2 75 KiB [emitted] (auxiliary id hint: vendors)
    asset 8afc6e5e842baab16010c2ce6fcf48ec4ded8e1579a37c1f1bc027e120d04951.woff2 13 KiB [emitted] (auxiliary id hint: vendors)
asset index.html 1.73 KiB [emitted]
Entrypoint main 741 KiB = vendors-node_modules_whatwg-fetch_fetch_js.470effdc474a519d4748.js 44 KiB main.82d45e7edf2ceba508b8.js 697 KiB
orphan modules 216 KiB [orphan] 212 modules
runtime modules 276 KiB 15 modules
modules by path ./node_modules/ 16.2 MiB
  javascript modules 16.2 MiB 2489 modules
  json modules 42.7 KiB 8 modules
provide-module modules 4.96 KiB 121 modules
consume-shared-module modules 4.96 KiB
  modules by path consume shared module (default) @jupyterlab/ 3.81 KiB 43 modules
  modules by path consume shared module (default) @lumino/ 630 bytes 15 modules
modules by path ./build/*.js 24.4 KiB
  ./build/bootstrap.js 3.86 KiB [built] [code generated]
  ./build/index.out.js 18.1 KiB [built] [code generated]
  ./build/style.js 2.45 KiB [built] [code generated]
8 modules
webpack 5.44.0 compiled successfully in 11406 ms

asset index.css 17 KiB [compared for emit] (name: index)
asset index.js 0 bytes [compared for emit] [minimized] (name: index)
Entrypoint index 17 KiB = index.css 17 KiB index.js 0 bytes
./node_modules/@jupyterlab/theme-dark-extension/style/theme.css 50 bytes [built] [code generated]
css ./node_modules/css-loader/dist/cjs.js!./node_modules/@jupyterlab/theme-dark-extension/style/variables.css 16.3 KiB [code generated]
css ./node_modules/css-loader/dist/cjs.js!./node_modules/@jupyterlab/theme-dark-extension/style/theme.css 656 bytes [code generated]
webpack 5.44.0 compiled successfully in 1230 ms

asset index.css 15.7 KiB [compared for emit] (name: index)
asset index.js 0 bytes [compared for emit] [minimized] (name: index)
Entrypoint index 15.7 KiB = index.css 15.7 KiB index.js 0 bytes
./node_modules/@jupyterlab/theme-light-extension/style/theme.css 50 bytes [built] [code generated]
s-loader/dist/cjs.js!./node_modules/@jupyterlab/theme-light-extension/style/variables.css 15.3 KiB [code generated]
css ./node_modules/css-loader/dist/cjs.js!./node_modules/@jupyterlab/theme-light-extension/style/theme.css 472 bytes [code generated]
webpack 5.44.0 compiled successfully in 1209 ms
[I 2024-02-13 21:57:51.222 ServerApp] jupyterlab | extension was successfully loaded.
```

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  _  _          _          _
 | || | ___ __ | |_ ___   | |__   ___   ___
 | || |/ _ \ '_ \| __/ _ \ | '_ \ / _ \ / _ \
 | || |  __/ |_) | ||  __/ | |_) | (_) | (_) |
 |_||_|\___| .__/ \__\___| |_.__/ \___/ \___/
           |_|
```

Read the migration plan to Notebook 7 to learn about the new features and the actions to take if you are using extensions.

https://jupyter-notebook.readthedocs.io/en/latest/migrate_to_notebook7.html

Please note that updating to Notebook 7 might break some of your extensions.

```
[I 2024-02-13 21:57:51.232 ServerApp] nbclassic | extension was successfully loaded.
[I 2024-02-13 21:57:51.233 ServerApp] Serving notebooks from local directory: /Users/xinchaochen/Desktop/RCOS/elyra/packages/theme
[I 2024-02-13 21:57:51.233 ServerApp] Jupyter Server 2.10.0 is running at:
[I 2024-02-13 21:57:51.233 ServerApp] http://localhost:8888/lab?token=70cbe9065ac2e40f9c43f08abb3ed880f8b88cedd58048e6
[I 2024-02-13 21:57:51.233 ServerApp]     http://127.0.0.1:8888/lab?token=70cbe9065ac2e40f9c43f08abb3ed880f8b88cedd58048e6
[I 2024-02-13 21:57:51.233 ServerApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 2024-02-13 21:57:51.245 ServerApp]

    To access the server, open this file in a browser:
        file:///Users/xinchaochen/Library/Jupyter/runtime/jpserver-31434-open.html
    Or copy and paste one of these URLs:
        http://localhost:8888/lab?token=70cbe9065ac2e40f9c43f08abb3ed880f8b88cedd58048e6
        http://127.0.0.1:8888/lab?token=70cbe9065ac2e40f9c43f08abb3ed880f8b88cedd58048e6
[W 2024-02-13 21:57:54.802 LabApp] Failed validating settings (@jupyterlab/fileeditor-extension:plugin): Additional properties are not allowed ('theme' was unexpected)

    Failed validating 'additionalProperties' in schema['properties']['editorConfig']:
        {'additionalProperties': False,
         'properties': {'autoClosingBrackets': {'default': False,
                                                'title': 'Auto Closing '
                                                         'Brackets',
                                                'type': 'boolean'},
                        'codeFolding': {'default': False,
                                        'title': 'Code Folding',
                                        'type': 'boolean'},
                        'cursorBlinkRate': {'cursorBlinkRate': 530,
                                            'description': 'Half-period in '
                                                           'milliseconds used '
                                                           'for cursor '
                                                           'blinking. The '
                                                           'default blink rate '
                                                           'is 530ms. By '
                                                           'setting this to '
                                                           'zero, blinking can '
                                                           'be disabled. A '
                                                           'negative value '
                                                           'hides the cursor '
                                                           'entirely.',
                                            'title': 'Cursor blinking rate',
                                            'type': 'number'},
                        'fontFamily': {'default': None,
                                       'title': 'Font Family',
                                       'type': ['string', 'null']},
                        'fontSize': {'default': None,
                                     'maximum': 100,
                                     'minimum': 1,
                                     'title': 'Font Size',
                                     'type': ['integer', 'null']},
                        'insertSpaces': {'default': True,
                                         'title': 'Insert Spaces',
                                         'type': 'boolean'},
                        'lineHeight': {'default': None,
                                       'title': 'Line Height',
                                       'type': ['number', 'null']},
                        'lineNumbers': {'default': True,
                                        'title': 'Line Numbers',
                                        'type': 'boolean'},
                        'lineWrap': {'default': 'on',
                                     'enum': ['off',
                                              'on',
                                              'wordWrapColumn',
                                              'bounded'],
                                     'title': 'Line Wrap',
                                     'type': 'string'},
                        'matchBrackets': {'default': True,
                                          'title': 'Match Brackets',
                                          'type': 'boolean'},
                        'readOnly': {'default': False,
                                     'title': 'Read Only',
                                     'type': 'boolean'},
                        'rulers': {'default': [],
                                   'items': {'type': 'number'},
                                   'title': 'Rulers',
                                   'type': 'array'},
                        'showTrailingSpace': {'default': False,
                                              'title': 'Show Trailing Space',
                                              'type': 'boolean'},
                        'tabSize': {'default': 4,
                                    'title': 'Tab Size',
                                    'type': 'number'},
                        'wordWrapColumn': {'default': 80,
                                           'title': 'Word Wrap Column',
                                           'type': 'integer'}},
         'type': 'object'}

    On instance['editorConfig']:
        {'lineNumbers': True, 'theme': 'jupyter'}
[E 2024-02-13 21:57:54.806 ServerApp] Uncaught exception GET /lab/api/settings?1707879474011 (::1)
    HTTPServerRequest(protocol='http', host='localhost:8888', method='GET', uri='/lab/api/settings?1707879474011', version='HTTP/1.1', remote_ip='::1')
    Traceback (most recent call last):
      File "/Users/xinchaochen/opt/anaconda3/lib/python3.9/site-packages/tornado/web.py", line 1786, in _execute
        result = await result
    tornado.iostream.StreamClosedError: Stream is closed
[W 2024-02-13 21:57:55.727 LabApp] Failed validating settings (@jupyterlab/fileeditor-extension:plugin): Additional properties are not allowed ('theme' was unexpected)

    Failed validating 'additionalProperties' in schema['properties']['editorConfig']:
        {'additionalProperties': False,
         'properties': {'autoClosingBrackets': {'default': False,
                                                'title': 'Auto Closing '
                                                         'Brackets',
```

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                                        'type': 'boolean'},
                    'codeFolding': {'default': False,
                                    'title': 'Code Folding',
                                    'type': 'boolean'},
                    'cursorBlinkRate': {'cursorBlinkRate': 530,
                                        'description': 'Half-period in '
                                                       'milliseconds used '
                                                       'for cursor '
                                                       'blinking. The '
                                                       'default blink rate '
                                                       'is 530ms. By '
                                                       'setting this to '
                                                       'zero, blinking can '
                                                       'be disabled. A '
                                                       'negative value '
                                                       'hides the cursor '
                                                       'entirely.',
                                        'title': 'Cursor blinking rate',
                                        'type': 'number'},
                    'fontFamily': {'default': None,
                                   'title': 'Font Family',
                                   'type': ['string', 'null']},
                    'fontSize': {'default': None,
                                 'maximum': 100,
                                 'minimum': 1,
                                 'title': 'Font Size',
                                 'type': ['integer', 'null']},
                    'insertSpaces': {'default': True,
                                     'title': 'Insert Spaces',
                                     'type': 'boolean'},
                    'lineHeight': {'default': None,
                                   'title': 'Line Height',
                                   'type': ['number', 'null']},
                    'lineNumbers': {'default': True,
                                    'title': 'Line Numbers',
                                    'type': 'boolean'},
                    'lineWrap': {'default': 'on',
                                 'enum': ['off',
                                          'on',
                                          'wordWrapColumn',
                                          'bounded'],
                                 'title': 'Line Wrap',
                                 'type': 'string'},
                    'matchBrackets': {'default': True,
                                      'title': 'Match Brackets',
                                      'type': 'boolean'},
                    'readOnly': {'default': False,
                                 'title': 'Read Only',
                                 'type': 'boolean'},
                    'rulers': {'default': [],
                               'items': {'type': 'number'},
                               'title': 'Rulers',
                               'type': 'array'},
                    'showTrailingSpace': {'default': False,
                                          'title': 'Show Trailing Space',
                                          'type': 'boolean'},
                    'tabSize': {'default': 4,
                                'title': 'Tab Size',
                                'type': 'number'},
                    'wordWrapColumn': {'default': 80,
                                       'title': 'Word Wrap Column',
                                       'type': 'integer'}},
        'type': 'object'}

    On instance['editorConfig']:
        {'lineNumbers': True, 'theme': 'jupyter'}
|[W 2024-02-13 21:57:57.624 LabApp] Failed validating settings (@jupyterlab/fileeditor-extension:plugin): Additional properties are not allowed ('theme' was unexpected)

    Failed validating 'additionalProperties' in schema['properties']['editorConfig']:
        {'additionalProperties': False,
         'properties': {'autoClosingBrackets': {'default': False,
                                                'title': 'Auto Closing '
                                                         'Brackets',
                                                'type': 'boolean'},
                    'codeFolding': {'default': False,
                                    'title': 'Code Folding',
                                    'type': 'boolean'},
                    'cursorBlinkRate': {'cursorBlinkRate': 530,
                                        'description': 'Half-period in '
                                                       'milliseconds used '
                                                       'for cursor '
                                                       'blinking. The '
                                                       'default blink rate '
                                                       'is 530ms. By '
                                                       'setting this to '
                                                       'zero, blinking can '
                                                       'be disabled. A '
                                                       'negative value '
                                                       'hides the cursor '
                                                       'entirely.',
                                        'title': 'Cursor blinking rate',
                                        'type': 'number'},
                    'fontFamily': {'default': None,
                                   'title': 'Font Family',
                                   'type': ['string', 'null']},
                    'fontSize': {'default': None,
                                 'maximum': 100,
                                 'minimum': 1,
                                 'title': 'Font Size',
                                 'type': ['integer', 'null']},
                    'insertSpaces': {'default': True,
                                     'title': 'Insert Spaces',
                                     'type': 'boolean'},
                    'lineHeight': {'default': None,
                                   'title': 'Line Height',
                                   'type': ['number', 'null']},
                    'lineNumbers': {'default': True,
                                    'title': 'Line Numbers',
                                    'type': 'boolean'},
                    'lineWrap': {'default': 'on',
                                 'enum': ['off',
                                          'on',
```

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                                         'wordWrapColumn',
                                         'bounded'],
                               'title': 'Line Wrap',
                               'type': 'string'},
                'matchBrackets': {'default': True,
                                  'title': 'Match Brackets',
                                  'type': 'boolean'},
                'readOnly': {'default': False,
                             'title': 'Read Only',
                             'type': 'boolean'},
                'rulers': {'default': [],
                           'items': {'type': 'number'},
                           'title': 'Rulers',
                           'type': 'array'},
                'showTrailingSpace': {'default': False,
                                      'title': 'Show Trailing Space',
                                      'type': 'boolean'},
                'tabSize': {'default': 4,
                            'title': 'Tab Size',
                            'type': 'number'},
                'wordWrapColumn': {'default': 80,
                                   'title': 'Word Wrap Column',
                                   'type': 'integer'}},
        'type': 'object'}

    On instance['editorConfig']:
        {'lineNumbers': True, 'theme': 'jupyter'}
[W 2024-02-13 21:57:57.682 LabApp] Failed validating settings (@jupyterlab/fileeditor-extension:plugin): Additional properties are not allowed ('theme' was unexpected)

    Failed validating 'additionalProperties' in schema['properties']['editorConfig']:
        {'additionalProperties': False,
         'properties': {'autoClosingBrackets': {'default': False,
                                                'title': 'Auto Closing '
                                                         'Brackets',
                                                'type': 'boolean'},
                'codeFolding': {'default': False,
                                'title': 'Code Folding',
                                'type': 'boolean'},
                'cursorBlinkRate': {'cursorBlinkRate': 530,
                                    'description': 'Half-period in '
                                                   'milliseconds used '
                                                   'for cursor '
                                                   'blinking. The '
                                                   'default blink rate '
                                                   'is 530ms. By '
                                                   'setting this to '
                                                   'zero, blinking can '
                                                   'be disabled. A '
                                                   'negative value '
                                                   'hides the cursor '
                                                   'entirely.',
                                    'title': 'Cursor blinking rate',
                                    'type': 'number'},
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                               'title': 'Font Family',
                               'type': ['string', 'null']},
                'fontSize': {'default': None,
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                             'minimum': 1,
                             'title': 'Font Size',
                             'type': ['integer', 'null']},
                'insertSpaces': {'default': True,
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                'lineHeight': {'default': None,
                               'title': 'Line Height',
                               'type': ['number', 'null']},
                'lineNumbers': {'default': True,
                                'title': 'Line Numbers',
                                'type': 'boolean'},
                'lineWrap': {'default': 'on',
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                                      'on',
                                      'wordWrapColumn',
                                      'bounded'],
                             'title': 'Line Wrap',
                             'type': 'string'},
                'matchBrackets': {'default': True,
                                  'title': 'Match Brackets',
                                  'type': 'boolean'},
                'readOnly': {'default': False,
                             'title': 'Read Only',
                             'type': 'boolean'},
                'rulers': {'default': [],
                           'items': {'type': 'number'},
                           'title': 'Rulers',
                           'type': 'array'},
                'showTrailingSpace': {'default': False,
                                      'title': 'Show Trailing Space',
                                      'type': 'boolean'},
                'tabSize': {'default': 4,
                            'title': 'Tab Size',
                            'type': 'number'},
                'wordWrapColumn': {'default': 80,
                                   'title': 'Word Wrap Column',
                                   'type': 'integer'}},
        'type': 'object'}

    On instance['editorConfig']:
        {'lineNumbers': True, 'theme': 'jupyter'}
[W 2024-02-13 21:59:21.475 LabApp] Failed validating settings (@jupyterlab/fileeditor-extension:plugin): Additional properties are not allowed ('theme' was unexpected)

    Failed validating 'additionalProperties' in schema['properties']['editorConfig']:
        {'additionalProperties': False,
         'properties': {'autoClosingBrackets': {'default': False,
                                                'title': 'Auto Closing '
                                                         'Brackets',
                                                'type': 'boolean'},
                'codeFolding': {'default': False,
                                'title': 'Code Folding',
                                'type': 'boolean'},
                'cursorBlinkRate': {'cursorBlinkRate': 530,
```

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                                        'description': 'Half-period in '
                                                       'milliseconds used '
                                                       'for cursor '
                                                       'blinking. The '
                                                       'default blink rate '
                                                       'is 530ms. By '
                                                       'setting this to '
                                                       'zero, blinking can '
                                                       'be disabled. A '
                                                       'negative value '
                                                       'hides the cursor '
                                                       'entirely.',
                                        'title': 'Cursor blinking rate',
                                        'type': 'number'},
                    'fontFamily': {'default': None,
                                   'title': 'Font Family',
                                   'type': ['string', 'null']},
                    'fontSize': {'default': None,
                                 'maximum': 100,
                                 'minimum': 1,
                                 'title': 'Font Size',
                                 'type': ['integer', 'null']},
                    'insertSpaces': {'default': True,
                                     'title': 'Insert Spaces',
                                     'type': 'boolean'},
                    'lineHeight': {'default': None,
                                   'title': 'Line Height',
                                   'type': ['number', 'null']},
                    'lineNumbers': {'default': True,
                                    'title': 'Line Numbers',
                                    'type': 'boolean'},
                    'lineWrap': {'default': 'on',
                                 'enum': ['off',
                                          'on',
                                          'wordWrapColumn',
                                          'bounded'],
                                 'title': 'Line Wrap',
                                 'type': 'string'},
                    'matchBrackets': {'default': True,
                                      'title': 'Match Brackets',
                                      'type': 'boolean'},
                    'readOnly': {'default': False,
                                 'title': 'Read Only',
                                 'type': 'boolean'},
                    'rulers': {'default': [],
                               'items': {'type': 'number'},
                               'title': 'Rulers',
                               'type': 'array'},
                    'showTrailingSpace': {'default': False,
                                          'title': 'Show Trailing Space',
                                          'type': 'boolean'},
                    'tabSize': {'default': 4,
                                'title': 'Tab Size',
                                'type': 'number'},
                    'wordWrapColumn': {'default': 80,
                                       'title': 'Word Wrap Column',
                                       'type': 'integer'}},
        'type': 'object'}

    On instance['editorConfig']:
        {'lineNumbers': True, 'theme': 'jupyter'}
[W 2024-02-13 21:59:24.469 LabApp] Failed validating settings (@jupyterlab/fileeditor-extension:plugin): Additional properties are not allowed ('theme' was unexpected)

    Failed validating 'additionalProperties' in schema['properties']['editorConfig']:
        {'additionalProperties': False,
         'properties': {'autoClosingBrackets': {'default': False,
                                                'title': 'Auto Closing '
                                                         'Brackets',
                                                'type': 'boolean'},
                    'codeFolding': {'default': False,
                                    'title': 'Code Folding',
                                    'type': 'boolean'},
                    'cursorBlinkRate': {'cursorBlinkRate': 530,
                                        'description': 'Half-period in '
                                                       'milliseconds used '
                                                       'for cursor '
                                                       'blinking. The '
                                                       'default blink rate '
                                                       'is 530ms. By '
                                                       'setting this to '
                                                       'zero, blinking can '
                                                       'be disabled. A '
                                                       'negative value '
                                                       'hides the cursor '
                                                       'entirely.',
                                        'title': 'Cursor blinking rate',
                                        'type': 'number'},
                    'fontFamily': {'default': None,
                                   'title': 'Font Family',
                                   'type': ['string', 'null']},
                    'fontSize': {'default': None,
                                 'maximum': 100,
                                 'minimum': 1,
                                 'title': 'Font Size',
                                 'type': ['integer', 'null']},
                    'insertSpaces': {'default': True,
                                     'title': 'Insert Spaces',
                                     'type': 'boolean'},
                    'lineHeight': {'default': None,
                                   'title': 'Line Height',
                                   'type': ['number', 'null']},
                    'lineNumbers': {'default': True,
                                    'title': 'Line Numbers',
                                    'type': 'boolean'},
                    'lineWrap': {'default': 'on',
                                 'enum': ['off',
                                          'on',
                                          'wordWrapColumn',
                                          'bounded'],
                                 'title': 'Line Wrap',
                                 'type': 'string'},
                    'matchBrackets': {'default': True,
```

```
                                 'title': 'Match Brackets',
                                 'type': 'boolean'},
                   'readOnly': {'default': False,
                                'title': 'Read Only',
                                'type': 'boolean'},
                   'rulers': {'default': [],
                              'items': {'type': 'number'},
                              'title': 'Rulers',
                              'type': 'array'},
                   'showTrailingSpace': {'default': False,
                                         'title': 'Show Trailing Space',
                                         'type': 'boolean'},
                   'tabSize': {'default': 4,
                               'title': 'Tab Size',
                               'type': 'number'},
                   'wordWrapColumn': {'default': 80,
                                      'title': 'Word Wrap Column',
                                      'type': 'integer'}},
        'type': 'object'}

    On instance['editorConfig']:
        {'lineNumbers': True, 'theme': 'jupyter'}
[W 2024-02-13 21:59:24.965 LabApp] Failed validating settings (@jupyterlab/fileeditor-extension:plugin): Additional properties are not allowed ('theme' was unexpected)

    Failed validating 'additionalProperties' in schema['properties']['editorConfig']:
        {'additionalProperties': False,
         'properties': {'autoClosingBrackets': {'default': False,
                                                'title': 'Auto Closing '
                                                         'Brackets',
                                                'type': 'boolean'},
                   'codeFolding': {'default': False,
                                   'title': 'Code Folding',
                                   'type': 'boolean'},
                   'cursorBlinkRate': {'cursorBlinkRate': 530,
                                       'description': 'Half-period in '
                                                      'milliseconds used '
                                                      'for cursor '
                                                      'blinking. The '
                                                      'default blink rate '
                                                      'is 530ms. By '
                                                      'setting this to '
                                                      'zero, blinking can '
                                                      'be disabled. A '
                                                      'negative value '
                                                      'hides the cursor '
                                                      'entirely.',
                                       'title': 'Cursor blinking rate',
                                       'type': 'number'},
                   'fontFamily': {'default': None,
                                  'title': 'Font Family',
                                  'type': ['string', 'null']},
                   'fontSize': {'default': None,
                                'maximum': 100,
                                'minimum': 1,
                                'title': 'Font Size',
                                'type': ['integer', 'null']},
                   'insertSpaces': {'default': True,
                                    'title': 'Insert Spaces',
                                    'type': 'boolean'},
                   'lineHeight': {'default': None,
                                  'title': 'Line Height',
                                  'type': ['number', 'null']},
                   'lineNumbers': {'default': True,
                                   'title': 'Line Numbers',
                                   'type': 'boolean'},
                   'lineWrap': {'default': 'on',
                                'enum': ['off',
                                         'on',
                                         'wordWrapColumn',
                                         'bounded'],
                                'title': 'Line Wrap',
                                'type': 'string'},
                   'matchBrackets': {'default': True,
                                     'title': 'Match Brackets',
                                     'type': 'boolean'},
                   'readOnly': {'default': False,
                                'title': 'Read Only',
                                'type': 'boolean'},
                   'rulers': {'default': [],
                              'items': {'type': 'number'},
                              'title': 'Rulers',
                              'type': 'array'},
                   'showTrailingSpace': {'default': False,
                                         'title': 'Show Trailing Space',
                                         'type': 'boolean'},
                   'tabSize': {'default': 4,
                               'title': 'Tab Size',
                               'type': 'number'},
                   'wordWrapColumn': {'default': 80,
                                      'title': 'Word Wrap Column',
                                      'type': 'integer'}},
        'type': 'object'}

    On instance['editorConfig']:
        {'lineNumbers': True, 'theme': 'jupyter'}
^C[I 2024-02-13 22:00:06.374 ServerApp] interrupted
[I 2024-02-13 22:00:06.375 ServerApp] Serving notebooks from local directory: /Users/xinchaochen/Desktop/RCOS/elyra/packages/theme
    0 active kernels
    Jupyter Server 2.10.0 is running at:
    http://localhost:8888/lab?token=70cbe9065ac2e40f9c43f08abb3ed880f8b88cedd58048e6
        http://127.0.0.1:8888/lab?token=70cbe9065ac2e40f9c43f08abb3ed880f8b88cedd58048e6
Shutdown this Jupyter server (y/[n])? y
[C 2024-02-13 22:00:08.307 ServerApp] Shutdown confirmed
[I 2024-02-13 22:00:08.308 ServerApp] Shutting down 7 extensions
(base) xinchaochen@nuthatch-402 theme % conda activate elyra
(elyra) xinchaochen@nuthatch-402 theme % make install
make: *** No rule to make target `install'.  Stop.
(elyra) xinchaochen@nuthatch-402 theme % jlpm run build:lib && jlpm run build:labextension:dev
Building extension in .

Compilation starting…
```

```
Compilation finished

asset vendors-node_modules_rjsf_core_lib_index_js-node_modules_css-loader_dist_runtime_getUrl_js-no-0594c4.c5e0dbc9f5b974b9f4e3.js 1.2 MiB [emitted] [immutable] (id hint:
 vendors) 1 related asset
asset ui-components_lib_FormComponents_PasswordField_js-ui-components_lib_FormComponents_index_js-u-955e50.7c741b045976a2fdec4e.js 150 KiB [emitted] [immutable] 1 related
 asset
asset remoteEntry.7801c15e3c6fc44b4c76.js 32.2 KiB [emitted] [immutable] (name: @elyra/theme-extension) 1 related asset
asset style_index_css.c275fa08c81602acbd6b.js 19.8 KiB [emitted] [immutable] 1 related asset
asset lib_index_js.3be4eff520d81b41fed4.js 14 KiB [emitted] [immutable] 1 related asset
asset node_modules_css-loader_dist_runtime_api_js-node_modules_css-loader_dist_runtime_sourceMaps_j-4b7e6d.a1fd165cdf5ec33c4a97.js 11.5 KiB [emitted] [immutable] 1 relate
d asset
runtime modules 22.3 KiB 14 modules
modules by path ../../node_modules/ 858 KiB 574 modules
modules by path ../ui-components/ 126 KiB
  modules by path ../ui-components/style/ 58 KiB 24 modules
  modules by path ../ui-components/lib/ 67.6 KiB 16 modules
consume-shared-module modules 504 bytes 12 modules
modules by path ./ 15.5 KiB
  modules by path ./lib/*.js 12.4 KiB 2 modules
  modules by path ./style/*.css 3.04 KiB 2 modules
provide-module modules 84 bytes
  provide shared module (default) @elyra/theme-extension@4.0.0-dev = ...(truncated) 42 bytes [built] [code generated]
  provide shared module (default) @elyra/ui-components@4.0.0-dev = ../ui-component...(truncated) 42 bytes [built] [code generated]
container entry 42 bytes [built] [code generated]
data:image/svg+xml;utf8,<svg fill=%27bla.. 257 bytes [built] [code generated]
webpack 5.90.1 compiled successfully in 2212 ms
(elyra) xinchaochen@nuthatch-402 theme % jlpm run build
Building extension in .

Compilation starting…


Compilation finished

asset vendors-node_modules_rjsf_core_lib_index_js-node_modules_css-loader_dist_runtime_getUrl_js-no-0594c4.c5e0dbc9f5b974b9f4e3.js 1.2 MiB [emitted] [immutable] (id hint:
 vendors) 1 related asset
asset ui-components_lib_FormComponents_PasswordField_js-ui-components_lib_FormComponents_index_js-u-955e50.7c741b045976a2fdec4e.js 150 KiB [emitted] [immutable] 1 related
 asset
asset remoteEntry.7801c15e3c6fc44b4c76.js 32.2 KiB [emitted] [immutable] (name: @elyra/theme-extension) 1 related asset
asset style_index_css.c275fa08c81602acbd6b.js 19.8 KiB [emitted] [immutable] 1 related asset
asset lib_index_js.3be4eff520d81b41fed4.js 14 KiB [emitted] [immutable] 1 related asset
asset node_modules_css-loader_dist_runtime_api_js-node_modules_css-loader_dist_runtime_sourceMaps_j-4b7e6d.a1fd165cdf5ec33c4a97.js 11.5 KiB [emitted] [immutable] 1 relate
d asset
runtime modules 22.3 KiB 14 modules
modules by path ../../node_modules/ 858 KiB 574 modules
modules by path ../ui-components/ 126 KiB
  modules by path ../ui-components/style/ 58 KiB 24 modules
  modules by path ../ui-components/lib/ 67.6 KiB 16 modules
consume-shared-module modules 504 bytes 12 modules
modules by path ./ 15.5 KiB
  modules by path ./lib/*.js 12.4 KiB 2 modules
  modules by path ./style/*.css 3.04 KiB 2 modules
provide-module modules 84 bytes
  provide shared module (default) @elyra/theme-extension@4.0.0-dev = ...(truncated) 42 bytes [built] [code generated]
  provide shared module (default) @elyra/ui-components@4.0.0-dev = ../ui-component...(truncated) 42 bytes [built] [code generated]
container entry 42 bytes [built] [code generated]
data:image/svg+xml;utf8,<svg fill=%27bla.. 257 bytes [built] [code generated]
webpack 5.90.1 compiled successfully in 1891 ms
(elyra) xinchaochen@nuthatch-402 theme % jupyter lab --watch
[I 2024-02-13 22:02:20.421 ServerApp] jupyter_lsp | extension was successfully linked.
[I 2024-02-13 22:02:20.427 ServerApp] jupyter_server_fileid | extension was successfully linked.
[I 2024-02-13 22:02:20.432 ServerApp] jupyter_server_terminals | extension was successfully linked.
[I 2024-02-13 22:02:20.437 ServerApp] jupyter_server_ydoc | extension was successfully linked.
[I 2024-02-13 22:02:20.443 ServerApp] jupyterlab | extension was successfully linked.
[I 2024-02-13 22:02:20.448 ServerApp] nbclassic | extension was successfully linked.
[I 2024-02-13 22:02:21.104 ServerApp] notebook_shim | extension was successfully linked.
[I 2024-02-13 22:02:21.305 ServerApp] notebook_shim | extension was successfully loaded.
[I 2024-02-13 22:02:21.308 ServerApp] jupyter_lsp | extension was successfully loaded.
[I 2024-02-13 22:02:21.308 FileIdExtension] Configured File ID manager: ArbitraryFileIdManager
[I 2024-02-13 22:02:21.309 FileIdExtension] ArbitraryFileIdManager : Configured root dir: /Users/xinchaochen/Desktop/RCOS/elyra/packages/theme
[I 2024-02-13 22:02:21.309 FileIdExtension] ArbitraryFileIdManager : Configured database path: /Users/xinchaochen/Library/Jupyter/file_id_manager.db
[I 2024-02-13 22:02:21.309 FileIdExtension] ArbitraryFileIdManager : Successfully connected to database file.
[I 2024-02-13 22:02:21.309 FileIdExtension] ArbitraryFileIdManager : Creating File ID tables and indices with journal_mode = DELETE
[I 2024-02-13 22:02:21.310 FileIdExtension] Attached event listeners.
[I 2024-02-13 22:02:21.310 ServerApp] jupyter_server_fileid | extension was successfully loaded.
[I 2024-02-13 22:02:21.312 ServerApp] jupyter_server_terminals | extension was successfully loaded.
[I 2024-02-13 22:02:21.312 ServerApp] jupyter_server_ydoc | extension was successfully loaded.
[I 2024-02-13 22:02:21.314 LabApp] JupyterLab extension loaded from /Users/xinchaochen/opt/anaconda3/envs/elyra/lib/python3.9/site-packages/jupyterlab
[I 2024-02-13 22:02:21.314 LabApp] JupyterLab application directory is /Users/xinchaochen/opt/anaconda3/envs/elyra/share/jupyter/lab
[I 2024-02-13 22:02:21.316 LabApp] Starting JupyterLab watch mode...
[I 2024-02-13 22:02:40.114 LabApp] > node /Users/xinchaochen/opt/anaconda3/envs/elyra/lib/python3.9/site-packages/jupyterlab/staging/yarn.js run watch
assets by path *.js 68 MiB
  assets by chunk 49.2 MiB (id hint: vendors) 123 assets
  + 95 assets
assets by chunk 3.11 MiB (auxiliary id hint: vendors)
  assets by path *.woff 524 KiB 25 assets
  assets by path *.svg 1.73 MiB 3 assets
  assets by path *.eot 363 KiB 3 assets
  assets by path *.ttf 362 KiB
    asset af6397503fcefbd61397.ttf 198 KiB [emitted] [immutable] [from: node_modules/@fortawesome/fontawesome-free/webfonts/fa-solid-900.ttf] (auxiliary id hint: vendors)
    + 2 assets
  assets by path *.woff2 164 KiB
    asset 9834b82ad26e2a37583d.woff2 76.4 KiB [emitted] [immutable] [from: node_modules/@fortawesome/fontawesome-free/webfonts/fa-solid-900.woff2] (auxiliary id hint: ven
dors)
    + 2 assets
asset index.html 2.08 KiB [emitted]
Entrypoint main 819 KiB = vendors-node_modules_whatwg-fetch_fetch_js.470effdc474a519d4748.js 44 KiB main.cc6d7c313e7fcaaed9e0.js 775 KiB
orphan modules 937 KiB [orphan] 757 modules
runtime modules 309 KiB 17 modules
javascript modules 23 MiB
  modules by path ./node_modules/ 23 MiB 3711 modules
  modules by path ./build/*.js 27 KiB 3 modules
  + 7 modules
asset modules 158 KiB (javascript) 3.11 MiB (asset) 260 modules
provide-module modules 5.58 KiB 136 modules
consume-shared-module modules 5.58 KiB 136 modules
json modules 48.1 KiB
  modules by path ./node_modules/entities/lib/ 30 KiB 4 modules
  modules by path ./node_modules/ajv/dist/ 3.07 KiB 2 modules
  + 3 modules
webpack 5.76.1 compiled successfully in 15420 ms
```

```
asset index.css 17.5 KiB [compared for emit] (name: index)
asset index.js 0 bytes [compared for emit] [minimized] (name: index)
Entrypoint index 17.5 KiB = index.css 17.5 KiB index.js 0 bytes
orphan modules 21.2 KiB (javascript) 937 bytes (runtime) [orphan] 8 modules
cacheable modules 50 bytes (javascript) 17.5 KiB (css/mini-extract)
  ./node_modules/@jupyterlab/theme-dark-extension/style/theme.css 50 bytes [built] [code generated]
  css ./node_modules/css-loader/dist/cjs.js!./node_modules/@jupyterlab/theme-dark-extension/style/variables.css 16.8 KiB [built] [code generated]
  css ./node_modules/css-loader/dist/cjs.js!./node_modules/@jupyterlab/theme-dark-extension/style/theme.css 668 bytes [built] [code generated]
webpack 5.76.1 compiled successfully in 1180 ms

asset index.css 16.2 KiB [compared for emit] (name: index)
asset index.js 0 bytes [compared for emit] [minimized] (name: index)
Entrypoint index 16.2 KiB = index.css 16.2 KiB index.js 0 bytes
orphan modules 19.9 KiB (javascript) 937 bytes (runtime) [orphan] 8 modules
cacheable modules 50 bytes (javascript) 16.2 KiB (css/mini-extract)
  ./node_modules/@jupyterlab/theme-light-extension/style/theme.css 50 bytes [built] [code generated]
39m
webpack 5.76.1 compiled successfully in 1182 ms
[I 2024-02-13 22:02:58.305 LabApp] Extension Manager is 'pypi'.
[I 2024-02-13 22:02:58.332 ServerApp] jupyterlab | extension was successfully loaded.


   _   _          _       _
  | | | |_ __  __| |___ _| |_ ___
  | |_| | '_ \/ _` / _ \ |  _/ -_)
   \___/| .__/\__,_\__,_|\__\___|
        |_|

Read the migration plan to Notebook 7 to learn about the new features and the actions to take if you are using extensions.

https://jupyter-notebook.readthedocs.io/en/latest/migrate_to_notebook7.html

Please note that updating to Notebook 7 might break some of your extensions.

[I 2024-02-13 22:02:58.341 ServerApp] nbclassic | extension was successfully loaded.
[I 2024-02-13 22:02:58.343 ServerApp] Serving notebooks from local directory: /Users/xinchaochen/Desktop/RCOS/elyra/packages/theme
[I 2024-02-13 22:02:58.343 ServerApp] Jupyter Server 2.12.5 is running at:
[I 2024-02-13 22:02:58.343 ServerApp] http://localhost:8888/lab?token=277457e76a819cf7a6a77f44aae904ccf04f4488d15bb410
[I 2024-02-13 22:02:58.343 ServerApp]     http://127.0.0.1:8888/lab?token=277457e76a819cf7a6a77f44aae904ccf04f4488d15bb410
[I 2024-02-13 22:02:58.343 ServerApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 2024-02-13 22:02:58.351 ServerApp]

    To access the server, open this file in a browser:
        file:///Users/xinchaochen/Library/Jupyter/runtime/jpserver-32632-open.html
    Or copy and paste one of these URLs:
        http://localhost:8888/lab?token=277457e76a819cf7a6a77f44aae904ccf04f4488d15bb410
        http://127.0.0.1:8888/lab?token=277457e76a819cf7a6a77f44aae904ccf04f4488d15bb410
[I 2024-02-13 22:02:59.026 ServerApp] Skipped non-installed server(s): bash-language-server, dockerfile-language-server-nodejs, javascript-typescript-langserver, jedi-language-server, julia-language-server, pyright, python-language-server, python-lsp-server, r-languageserver, sql-language-server, texlab, typescript-language-server, unified-language-server, vscode-css-languageserver-bin, vscode-html-languageserver-bin, vscode-json-languageserver-bin, yaml-language-server
```