

```
1  /**
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3   *
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18  */
19 #ifndef LIBBITCOIN_NETWORK_DISTRIBUTORS_DISTRIBUTOR_STRATUM_V1_HPP
20 #define LIBBITCOIN_NETWORK_DISTRIBUTORS_DISTRIBUTOR_STRATUM_V1_HPP
21
22 #include <bitcoin/network/define.hpp>
23 #include <bitcoin/network/messages/rpc/rpc.hpp>
24
25 namespace libbitcoin {
26 namespace network {
27 namespace rpc {
28
29 struct stratum_v1_methods
30 {
31     static constexpr std::tuple methods
32     {
33         // Client requests.
34         method<"mining.subscribe", optional<""_t>, optional<0>>{ "user_agent", "extranonce1_size" },
35         method<"mining.authorize", string_t, string_t>{ "username", "password" },
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36     method<"mining.submit", string_t, string_t, string_t, number_t, string_t>{ "worker_name", "job_  ↗
        id", "extranonce2", "ntime", "nonce" },
37     method<"mining.extranonce.subscribe">{},
38     method<"mining.extranonce.unsubscribe", number_t>{ "id" },
39
40     // Server notifications.
41     method<"mining.configure", object_t>{ "extensions" },
42     method<"mining.set_difficulty", optional<1.0>>{ "difficulty" },
43     method<"mining.notify", string_t, string_t, string_t, string_t, array_t, number_t, number_t,  ↗
        number_t, boolean_t, boolean_t, boolean_t>{ "job_id", "prevhash", "coinb1", "coinb2",  ↗
        "merkle_branch", "version", "nbits", "ntime", "clean_jobs", "hash1", "hash2" },
44     method<"client.reconnect", string_t, number_t, number_t>{ "url", "port", "id" },
45     method<"client.hello", object_t>{ "protocol" },
46     method<"client.rejected", string_t, string_t>{ "job_id", "reject_reason" }
47 };
48
49     using mining_subscribe = at<0, decltype(methods)>;
50     using mining_authorize = at<1, decltype(methods)>;
51     using mining_submit = at<2, decltype(methods)>;
52     using mining_extranonce_subscribe = at<3, decltype(methods)>;
53     using mining_extranonce_unsubscribe = at<4, decltype(methods)>;
54     using mining_configure = at<5, decltype(methods)>;
55     using mining_set_difficulty = at<6, decltype(methods)>;
56     using mining_notify = at<7, decltype(methods)>;
57     using client_reconnect = at<8, decltype(methods)>;
58     using client_hello = at<9, decltype(methods)>;
59     using client_rejected = at<10, decltype(methods)>;
60 };
61
62 using stratum_v1 = interface<stratum_v1_methods>;
63
64 } // namespace rpc
65 } // namespace network
66 } // namespace libbitcoin
67

```

68 #endif

69