

```

VARIABLES
  Local
    inst: 0xa001bb00 <real_struct>
    cookie: 0x0
    arch: VTSS_ARCH_CU_PHY
    > create: {...}
    > init_conf: {...}
    restart_updated: 0x0
    warn_start_cur: 0x0
    warn_start_prev: 0x0
    sync_calling_private: 0x0
    chip_count: 0x457
    chip_no: 0x0
    port_count: 0x0
    phy_10g_api_base_no: 0x0
    phy_channel_id: 0x0
    phy_chip_no: 0x0
    > phy_10g_state: [1]
    phy_10g_generic: 0x0 <g_pfnVectors>
    > cil: {...}
  WATCH
    meInAddr: <-var-create: unable to create v...
    inst.chip_count: 0x457
    vtss_state.chip_count: <-var-create: unab...
    vtss_state.chip_count: <-var-create: unab...
    inst.cookie: 0x0

```

```

int main(void)
// ***** BOARD BRING UP *****
// Board specific code
// ***** PHY BRING UP *****
print_uart("\r\n\n---PHY BRING UP---"); // das ist ein Pointer /* API instance reference */
read_all_arm_i2c_addresses(selected_i2c);
// main structure
static vtss_inst_t inst; // pointer to structure
static struct vtss_state_s real_struct; // create a structure
// some parameter
static vtss_init_conf_t init_conf;
static vtss_phy_10g_mode_t oper_mode;
static vtss_phy_10g_init_parm_t init_parm;
static vtss_port_no_t port_no = 0;
static vtss_inst_create_t create;
(void)real_struct;
// pass address to the pointer:
inst = &real_struct;
// Test value:
inst->chip_count = 1111; // 1111 is a magic number; consider replacing it with a named constant
// First important API - Function:
vtss_inst_create(&create, &inst);
// something wrong. Cookie is changed but chip_count not:

```

Before create()
 Cooke = 0x0
 Chip_count= 0x457

```

Local
  > create: {...}
  > inst: 0xa001cf18
  > vtss_state: 0xa001cf18
  arch: VTSS_ARCH_10G_PHY
  > global
  > static
  WATCH
    meInAddr: <-var-create: unable to create v...
    inst.chip_count: 0x457
    vtss_state.chip_count: 0x457
    vtss_state.chip_count: 0x457
    inst.cookie: 0xde

```

```

253 }
254 > create: {...}
255 > inst: 0xa001cf18
256 > vtss_state: 0xa001cf18
257 arch: VTSS_ARCH_10G_PHY
258 > global
259 > static
260 vtss_rc vtss_inst_create(const vtss_inst_create_t *const create, vtss_inst_t *const inst)
261 // print_uart("VTSS INST CREATE-----");
262 // print(); // prüfen ob das geht
263 print_uart("\r\ncreate:");
264 vtss_state_t vtss_state;
265 vtss_state = malloc(sizeof(*vtss_state));
266 memset(vtss_state, 0, sizeof(*vtss_state));
267 enum vtss_arch_t arch = VTSS_ARCH_10G_PHY;
268 vtss_state->cookie = 222;
269 (*inst)->create = *create;
270 vtss_state->chip_count = 222;
271 (*inst)->arch = arch;
272 // print structure vtss_state (vtss_state);
273 // * Set default configuration *
274 VTSS_RC(vtss_inst_default_set(vtss_state)); //
275 vtss_phy_10g_inst_venice_create(vtss_state);
276
277 /* Setup default instance */
278 if (vtss_default_inst == NULL) {
279 vtss_default_inst = vtss_state;
280 } else {
281 }
282
283 (*inst) = vtss_state;
284 (*inst)->chip count = 1111;
285 return VTSS_RC_OK;
286

```

In create()
 Cookie gets 222
 chip_count gets 222

After Create()
 Cookie os 0xde = 222
 chip_count is 0x0
 But should be 222...

```

Local
  > inst: 0xa001cf18
  > real_struct: {...}
  > init_conf: {...}
  > oper_mode: {...}
  > init_parm: {...}
  > port_no: 0x0
  > create: {...}
  > global
  > static
  WATCH
    meInAddr: <-var-create: unable to create v...
    inst.chip_count: 0x0
    vtss_state.chip_count:
    vtss_state.chip_count:
    inst.cookie: 0xde

```

```

601 int main(void)
602 // ***** BOARD BRING UP *****
603 // Board specific code
604 // ***** PHY BRING UP *****
605 print_uart("\r\n\n---PHY BRING UP---"); // das ist ein Pointer /* API instance reference */
606 read_all_arm_i2c_addresses(selected_i2c);
607 // main structure
608 static vtss_inst_t inst; // pointer to structure
609 static struct vtss_state_s real_struct; // create a structure
610 // some parameter
611 static vtss_init_conf_t init_conf;
612 static vtss_phy_10g_mode_t oper_mode;
613 static vtss_phy_10g_init_parm_t init_parm;
614 static vtss_port_no_t port_no = 0;
615 static vtss_inst_create_t create;
616 (void)real_struct;
617 // pass address to the pointer:
618 inst = &real_struct;
619 // Test value:
620 inst->chip_count = 1111;
621 // First important API - Function:
622 vtss_inst_create(&create, &inst);
623 // something wrong. Cookie is changed but chip_count not:
624
625 fill_oper_mode(&oper_mode);

```