Annual

Report

2566

- Activities of Thai Network Information Center Foundation
- Activities of BKNIX
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- Activities of THNIC Academy

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Activities of
Thai Network Information Center Foundation

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1. Promote and facilitate domain name registration and database management

1.1 Review and update policies related to domain name registration

1.1.1 Domain name policy Subcommittee Meeting

1.1.2 Draft Policy on the Registration of .th and .ไทย Domain Names, Revised Edition 2023

1.2 Domain Name Database Management

The THNIC Foundation has authorized Thai Name Server Co., Ltd. to serve as an official .th and .ไทย domain name registry. Thai Name Server Co., Ltd. has been managing the domain name maintenance for domain name registration data storage and data backup as well as providing DNS services. The company continuously adheres to accepted standards and follows news and recommendations for system improvement. And in 2023, participated in the training and testing of the emergency response plan in the event of a national-level critical cyber threat (Thailand's National Cyber Exercise 2023)

ISO/IEC 27001:2013 Certificate No: IS 763878

82,254	.TH
+2,748	
32,580	.ไทย
+522	

1.3 .th and .ไทย Domain Names Registration

The THNIC Foundation has authorized T.H.NIC Co., Ltd. to serve as an official registrar responsible for .th and .ไทย domain names. T.H.NIC Co., Ltd. operates according to the criteria and policies of the foundation's Domain Name Policy Subcommittee.

In 2023, T.H.NIC Co., Ltd. processed domain name registrations, transfers and deletions as requested by registrants. The number of registered domain names increased to 2,748 for .th and 522 for .ไทย. (https://thnic.co.th/stats)
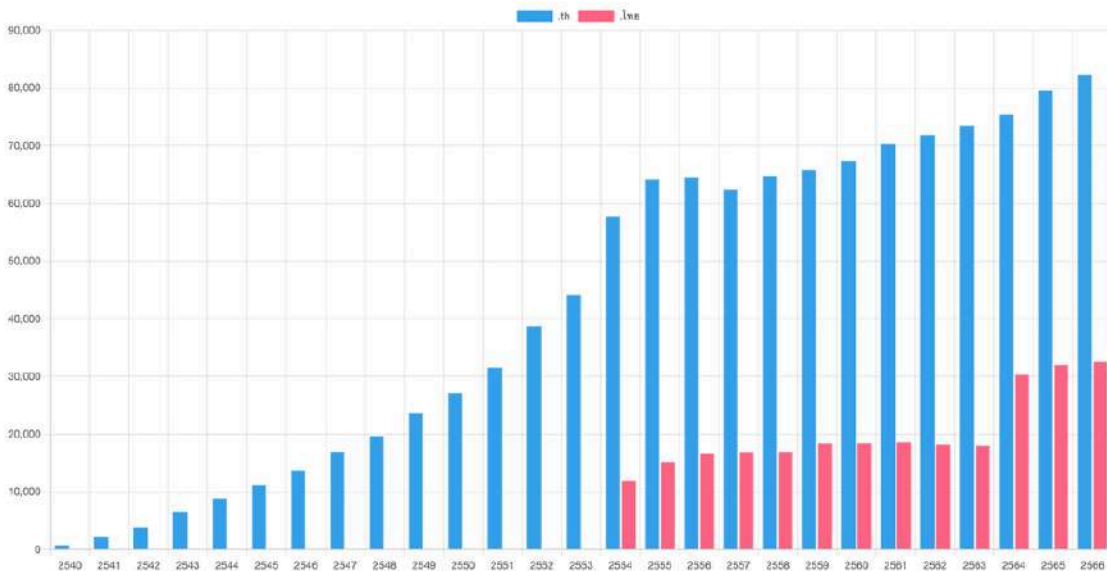
ตารางแสดงจำนวนโดเมน .TH และ .ไทย (ข้อมูล ณ วันที่ 31 ธันวาคม 2566)

ปี	เดือน	.ac.th ศึกษา.ไทย	co.th ธุรกิจ.ไทย	go.th รัฐบาล.ไทย	in.th ไทย	mi.th ทหาร.ไทย	net.th เน็ต.ไทย	or.th องค์กร.ไทย	IDN.th	SLD.th	รวม
2566	ธันวาคม	8,220	46,884	9,527	12,404	18	18	1,338	3,605	240	82,254
		3,863	14,831	6,569	6,739	11	8	517			32,580
2566	พฤศจิกายน	8,188	46,812	9,514	12,455	18	18	1,343	3,612	232	82,192
		3,874	14,838	6,570	6,753	11	8	521			32,617
2566	ตุลาคม	8,223	46,739	9,495	12,482	18	18	1,344	3,621	231	82,171
		3,894	14,868	6,562	6,741	11	8	522			32,648
2566	กันยายน	8,232	46,670	9,486	12,308	18	18	1,339	3,622	233	81,926
		3,927	14,902	6,549	6,639	11	8	525			32,603
2566	สิงหาคม	8,233	46,549	9,479	12,265	18	18	1,334	3,626	234	81,756
		3,936	14,942	6,547	6,639	11	8	525			32,651
2566	กรกฎาคม	8,235	46,461	9,492	12,106	18	18	1,332	3,624	226	81,512
		3,950	15,009	6,558	6,517	11	8	527			32,623
2566	มิถุนายน	8,191	46,350	9,495	12,075	18	18	1,326	3,625	226	81,324
		3,938	15,046	6,564	6,511	11	8	529			32,650
2566	พฤษภาคม	8,086	46,130	9,494	11,876	18	18	1,327	3,627	227	80,803
		3,920	15,075	6,561	6,355	11	8	532			32,505
2566	เมษายน	8,032	46,081	9,499	11,249	18	18	1,329	3,622	227	80,075
		3,927	15,138	6,564	5,781	11	8	530			32,002
2566	มีนาคม	8,008	46,110	9,490	11,256	18	18	1,333	3,627	216	80,076
		3,951	15,234	6,550	5,793	11	8	531			32,117

1.4 .th Second-Level Domain Name (SLD) Project

In 2023, the THNIC Foundation held 3 rounds of .th Second-Level Domain Name (SLD) registration with T.H.NIC Co., Ltd. as the registration operator, which includes:

ROUND	DATE	APPROVED
1/2566	February 1, 2023 – March 31, 2023	15 domain names
2/2566	June 1, 2023 – July 31, 2023	10 domain names
3/2566	October 4, 2023 – November 30, 2023	11 domain names

In 2023, there were a total of 43 domain names requested for SLD.TH registration, with 36 domain names being approved.

1.5 Thai Business Promotion Project for Enhancing E-commerce Competitiveness

The THNIC Foundation, in collaboration with the Department of Business Development, Ministry of Commerce; Thai Webmaster and Online Media Association; Thailand E-Commerce Association; and Electronic Transactions Development Agency (ETDA), organized a project to promote Thai businesses' capabilities in e-commerce competition.

In 2023, businesses registered as legal entities or those with the DBD Registered mark could apply to participate in the project through the website domain.online.th to receive domain registration under .co.th and .in.th. They would also receive a free starter website for one year, along with other benefits from project partners. In 2023, training was organized in collaboration with partner organizations on four topics and one workshop, including:

อบรม	หัวข้อ

1.

Event Date: June 29, 2023
Speaker: Nakamol Asawayonchai
Topic: Digital Marketing ROI Management

2.

Event Date: August 24, 2023
Speaker: Sharif Densumite
Topic: Online Marketing: Increase Sales by Building an Affiliate Network

3.

Event Date: September 28, 2023
Speaker: Asst. Prof. Dr. Pongsakorn Pitchayadol
Topic: Digital Marketing Strategies: Creating Content to Boost Sales Through Online Platforms

4.

Event Date: October 26, 2023
Speaker: Dr.Tyn Tawitaranond
Topic: Safe and Stress-Free Online Selling

5.

Event Date: November 30, 2023
Venue: The Office of Computer Services, Kasetsart University.
Workshop 'Starting an Online Business: Creating a Sale Page for Online Shop'

Activities of Thai Network Information Center Foundation

1.6 Activities to promote the use of .th and .ไทย domain names

- THNIC has partnered with the Digital Council of Thailand to launch the Thai domain name "สภาดิจิทัล.ไทย" and has signed an MOU to support the use of Thai domain names .ไทย and .th.

- THNIC has produced a video interview featuring six digital executives discussing the strengths of the .ไทย domain. The video, titled "Why .ไทย is Important and Who Should Use It," includes six domains: ทัวร์เที่ยวไทย.ไทย, มหาวิทยาลัยขอนแก่น.ไทย, สภาการสื่อมวลชนแห่งชาติ.ไทย, กรมการแพทย์.ไทย, พระลาน.ไทย, and สภาดิจิทัล.ไทย. The video supports the use of Thai domain names .ไทย and .th.

- ● THNIC, in collaboration with the National Press Council of Thailand, has invited Council members to register .ไทย domain names. In 2023, a member of the National Press Council registered .ไทย domain names, including เดอะสตอรี่ไทยแลนด์.ไทย and thestorythailand.in.th, bringing the total number of Council members using .ไทย domains to 26.

- Produced a newsletter and website for the .ไทย community, featuring two communities: บ้านหลวงโหล่งขอด.ไทย and ริมเมยท่าสายลวด.ไทย.

Activities of Thai Network Information Center Foundation

- THNIC, in collaboration with the Robinhood Academy, organized a hands-on workshop titled "Creating a Sales Page for Online Stores with a Single-Page Website: A Hands-On Guide." The event aimed to provide knowledge to restaurant and store owners using the Robinhood app. It took place from January 24-26, 2023, at the Connected Room, 4th Floor, RCP Building (Career@SCB).

- THNIC was invited by the Electronic Transactions Development Agency (ETDA) to participate as a speaker and exhibit a booth at DGT 2023: Happiness Creation. The event took place on February 24-25, 2023, at Mitr Town Hall, Samyan Mitrtown.

- THNIC set up a booth at the 43rd Workshop on Network Information Systems for Educational Development (WUNCA 43) to promote .th and .ไทย domain names, แบ่ง ปั้น.ไทย, 'โครงการเว็บไซต์ดอทไทยเพื่อชุมชน' (.ไทย Community Website), 'โครงการ .in.th เพื่อการศึกษา' (.in.th for Education), and Promoting Thai businesses using electronic commerce to increase competitiveness. The event was held from July 10-12, 2023, at Khon Kaen University, Khon Kaen Province.

- Promoted .th through a donation to the College of Music, Mahidol University, to support the college's activities.

2. **Supporting research and development related to the internet in Thailand**

THNIC Foundation provided support for the organization of the academic conference, AINTEC, held on December 12-14, 2023.

3. **Develop human resources to have knowledge and expertise in Internet technology under THNIC Academy**

THNIC Foundation provided knowledge-sharing activities and hands-on training in internet technology through the THNIC Academy's activities.

4. **Advice about internet development in Thailand**

THNIC Foundation in collaboration with The Stock Exchange of Thailand (SET) organized a seminar entitled "What is Web3?" on March 23, 2023, at the 7th floor of The Stock Exchange of Thailand Conference Hall.

Activities of Thai Network Information Center Foundation

5. **Cooperation with government agencies, academic institutions, private organizations and other internet organizations**

- The THNIC Foundation, in collaboration with the Digital Government Development Agency (Public Organization) (DGA), launched the 'dg.th' link shortening system during the signing ceremony of the Memorandum of Understanding (MOU) for the 'Support and Development of Link Shortening Systems for Government Agencies' project. This system offers convenience, security, and ease of use while protecting against cyber threats. The event took place on August 8, 2023.

- The 'Thai businesses using electronic commerce to increase competitiveness' project showcased the ".th" booth and participated in activities at the Thailand e-Commerce Expo 2023 on August 26-27, 2023, at Samyan Mitrtown.

- The THNIC Foundation joined as part of the working group supporting the duties of the Thai representative in the Government Advisory Committee (GAC) under the Internet Corporation for Assigned Names and Numbers (ICANN) meetings, established by the Ministry of Digital Economy and Society.

- The THNIC Foundation welcomed a delegation from the Department of Business Development to discuss the outcomes of the 'Thai businesses using electronic commerce to increase competitiveness' project held in 2023 and explore potential collaborations for upcoming projects in 2024 on November 20, 2023.

6. Coordinate and cooperate with international internet organizations

- The THNIC Foundation welcomed officials from the Internet Corporation for Assigned Names and Numbers (ICANN) for the Asia-Pacific region on January 17, 2023.

- Participated in conferences and served as a speaker in collaboration with ICANN, APAC, APNIC

On March 15-16, 2023

THNIC participated as a speaker to promote Universal Acceptance at the ICANN76 conference.

On July 4-5, 2023

THNIC participated as a speaker at the APAC DNS Forum 2023 in Hong Kong.

September 11-14, 2023

THNIC participated in APNIC 56 to celebrate the 30th anniversary of APNIC and to invite the community to join APRICOT 2024, which THNIC will be a local host.

7. Enhance public knowledge and understanding of the internet, domain names and internet technologies

- Article on 'Choosing a Reliable URL Shortening Service Provider' by Chaya Limchitti

- Article on 'Key Points of the Royal Decree on Digital Platform Business Notification, B.E. 2565 (2022)' by Associate Professor Dr. Bhumindr BUTR-INDR and Ekkasit Winijkul

8. Cooperate with charitable and non-profit organizations and social and community enterprises for charitable purposes and public benefit

- Received a donation of 15 laptops from MBK Public Company Limited at the 8th-floor office of MBK Center for use in practical training at THNIC Academy.
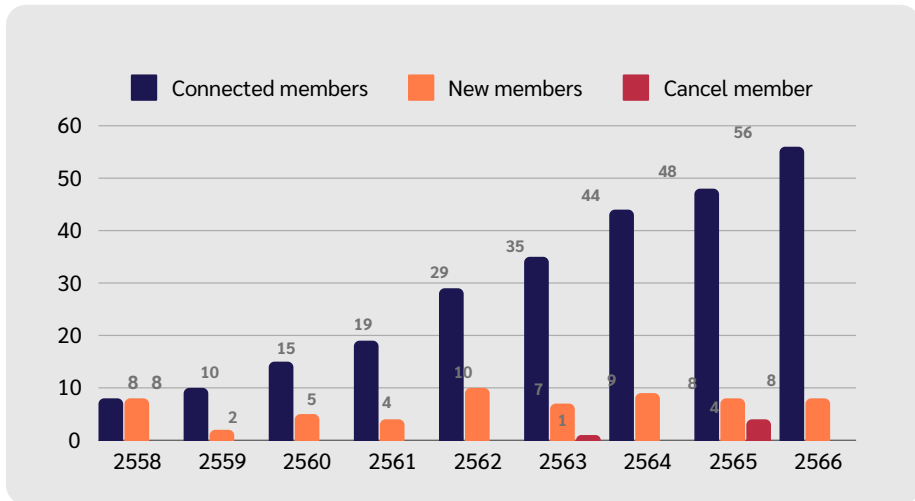
Activities of BKNIX

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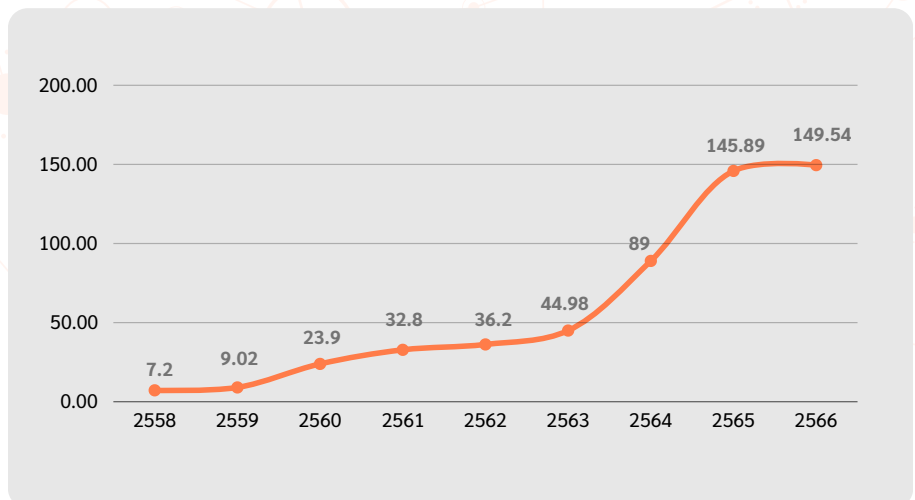
2566

Activities of BKNIX

1. Number of Members

The THNIC Foundation has assigned BKNIX Co., Ltd. to manage and develop the BKNIX Internet Exchange Center to provide services to its connections. In 2023, 8 new members joined, bringing the total number of members connected to the exchange center to 56 ASNs. The highest exchange traffic currently stands at 149.54 Gbps.

Bar chart legend: Connected members, New members, Cancel member

Year	Connected members	New members	Cancel member
2558	8	8	
2559	10	2	
2560	15	5	
2561	19	4	
2562	29	10	
2563	35	7	1
2564	44	9	
2565	48	8	4
2566	56	8	

2. Data Exchange Volume

Traffic growth at BKNIX
149.54 Gbps at peak with 56 ASNs

Year	Volume
2558	7.2
2559	9.02
2560	23.9
2561	32.8
2562	36.2
2563	44.98
2564	89
2565	145.89
2566	149.54

Activities of BKNIX

3. BKNIX Peering Forum & ThaiNOG Day 2023

The BKNIX Peering Forum & ThaiNOG Day 2023 attracted significant interest with 336 participants from 16 countries, including internet service providers (ISPs) and content delivery network (CDN) providers from both domestic and international sectors. The event also saw the participation of 15 fellows.

BPF2023

>>> BKNIX PEERING FORUM <<<
&ThaiNOG Day

This reflects the growing interest in connectivity and information exchange among service providers in the region, serving as a platform for enhancing knowledge, sharing experiences, and monitoring trends in internet services. It provided an opportunity for ISPs, CDNs, and other related service providers to engage in business discussions and contribute to the development of Thailand's internet services to an international level. The event was held on May 16-17, 2023, at the Carlton Hotel, Sukhumvit.

Activities of Net2Home

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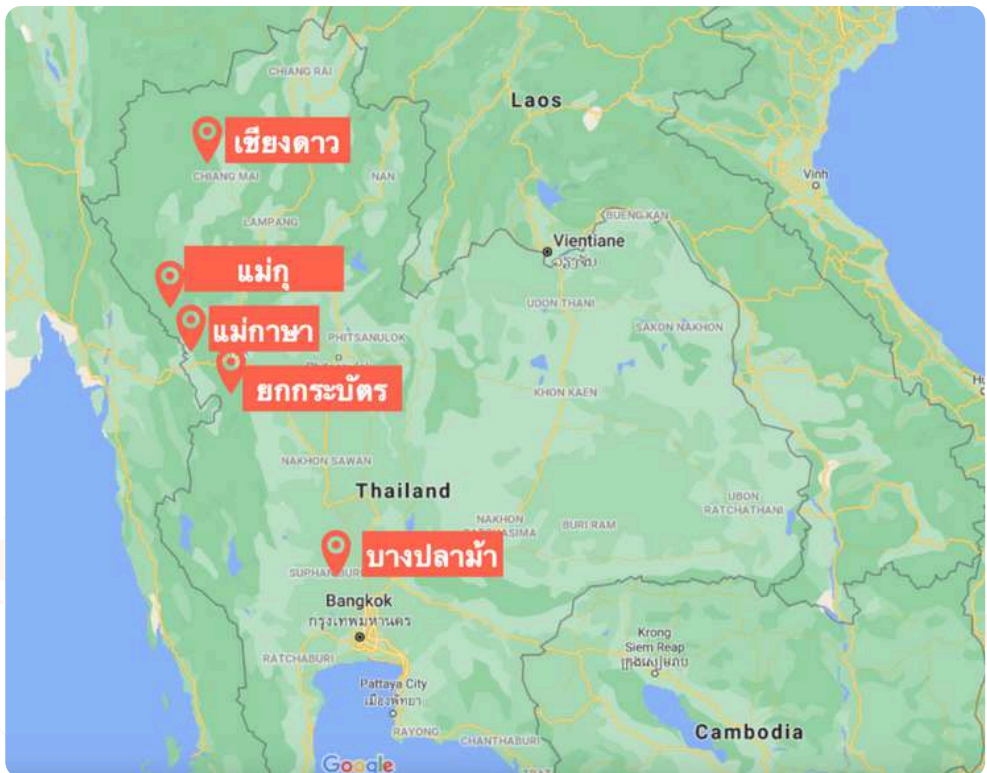
1.

Current operation areas

2.

Membership Expansion
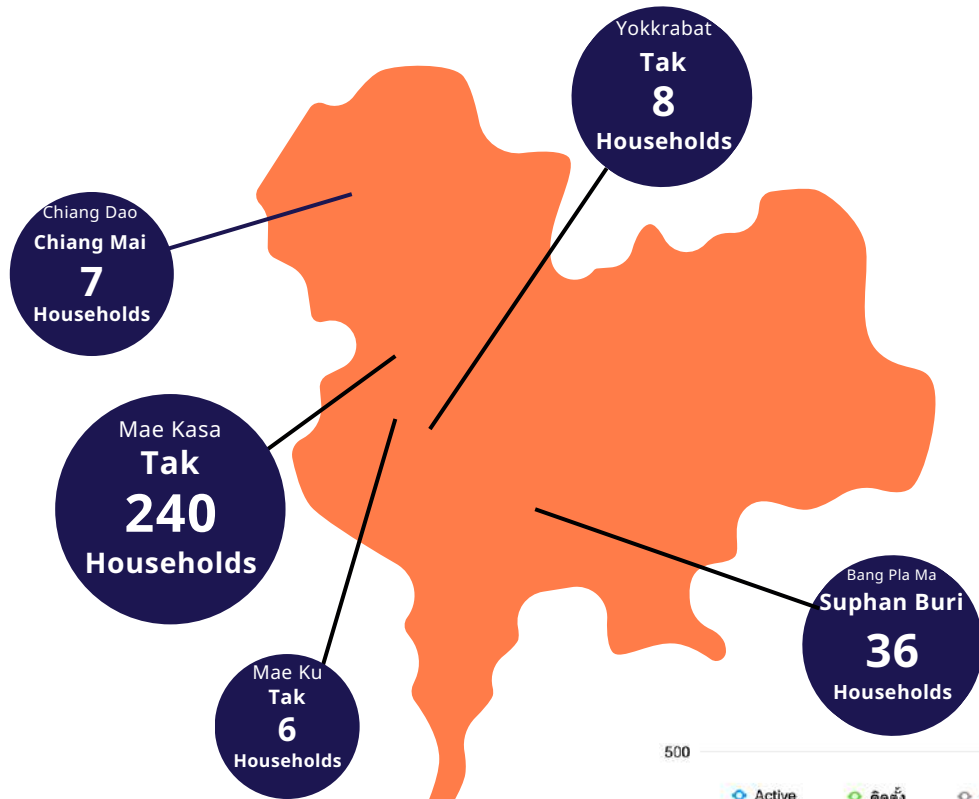
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1. Current operation areas

- Mae Kasa Subdistrict, Mae Sot District, Tak Province • Includes Moo 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 14, 15, and 16
- Mae Ku Subdistrict, Mae Sot District, Tak Province • Includes Moo 8
- Chiang Dao Subdistrict, Chiang Dao District, Chiang Mai Province • Includes Moo 16
- Makhamlom Subdistrict, Bang Pla Ma District, Suphan Buri Province • Includes Moo 6 and 10
- Watbost Subdistrict, Bang Pla Ma District, Suphan Buri Province • Includes Moo 9
- Yokkrabat Subdistrict, Sam Ngao District, Tak Province • Includes Moo 12

Activities of Net2Home

Yokkrabat
Tak
8
Households

Chiang Dao
Chiang Mai
7
Households

Mae Kasa
Tak
240
Households

Bang Pla Ma
Suphan Buri
36
Households

Mae Ku
Tak
6
Households

2.

Membership Expansion

Active Sites: 47 active sites

Total Membership: 297 households as listed below:

- Mae Kasa Subdistrict, Mae Sot District, Tak Province   240 households
- Mae Ku Subdistrict, Mae Sot District, Tak Province   6 households
- Bang Pla Ma District, Suphan Buri Province   36 households
- Chiang Dao District, Chiang Mai Province   7 households
- Yokkrabat Subdistrict, Sam Ngao District, Tak Province   8 households
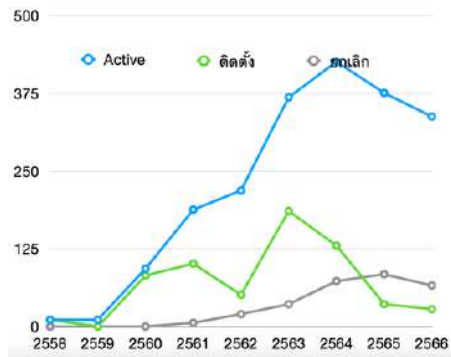
In 2023, there were additional installations and changes in membership

- Additional Sites: 2 new sites
- New Memberships: 31 households
- Cancellations: 110 households

NET2HOME

Total Member

297

households

Active site

47

Sites

New Member

35

households

Additional Sites

2

Sites

Cancellations

110

households

Activities of

THNIC Academy

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Activities of THNIC Academy

Human resources development activities to enhance knowledge and expertise in internet technology under the THNIC Academy.
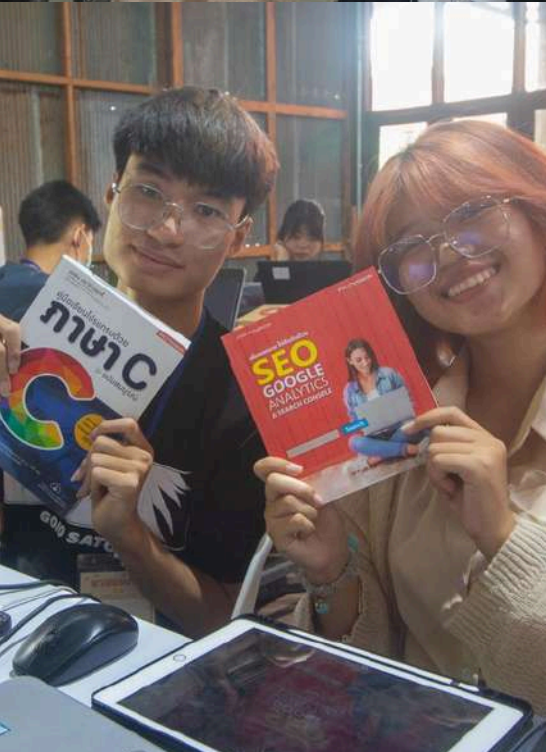
1.

Baengpun Camp

March 26, 2023, to April 7, 2023

at THNIC Academy.

Baengpun Camp, the 4th edition, had 26 participants in the training. The camp included a hackathon where the competition task was to create a portfolio website platform for showcasing work to be used for university applications. A total of 7 teams developed 7 websites.

Activities of THNIC Academy

2. Training at THNIC Academy, Tak Province

● **"Computational Thinking & Programming Skill for Junoir High School Students"**

Date: Jan, 28-29, Feb, 4-5 and Feb, 11 - 12, 2023
at THNIC Academy.

● **"Computational Thinking & Programming Skills (Basic) for High School Students"**

Date: June 3-5, 2023, and June 17-18, 2023,
at THNIC Academy

● **"Introduction to Programming (Intermediate) for High School Students"**

Date: July 22-23, 2023, and July 28-30, 2023,
at THNIC Academy.

Activities of THNIC Academy

- **"Problem-oriented Programming (Advanced) for High School Students"**

Date: August 12-14, 2023, and August 19-20, 2023,
at THNIC Academy.

- **"Network Training for Technicians"**

Date: October 19-20, 2023,
at THNIC Academy.

- The **"Computational Thinking Workshop for Secondary School Teachers and Educational Staff"**

Date: November 22-24, 2023,
at THNIC Academy.

Activities of THNIC Academy

3. Workshop "Creating Website with .th and .ไทย" in 2023

- **Workshop "Creating Website with .th and .ไทย"**

Project Duration: January 1 – August 31, 2023
The training will be divided into 10 centers across the country as follows:

- Bangkok Center
- Songkhla Center
- Lopburi Center
- Ubon Ratchathani Center
- Kanchanaburi Center
- Udon Thani Center
- Chanthaburi Center
- Chiang Mai Center
- Surat Thani Center
- Phitsanulok Center

Number of Applicants: 757
Number of Participants: 506
Number of Graduates: 506
Total Domains Registered: 506

Afterwards, the teachers who completed the training applied the knowledge gained to teach other teachers and students.

- **Course Improvement Training under the Project to Expand the Workshop on Creating Websites with .th Through Lead Teachers**
  Date: October 7 - 8, 2023

Activities of THNIC Academy

EXCELLENCE AWARD WINNER
was awarded a plaque and 30,000 Baht

Website: www.เคทีดี.ไทย

By Teacher Kulthida Supamongkol

Lampang Kindergarten School

(Khelangrat Anusorn)

FIRST RUNNER-UP AWARDED
a plaque and 20,000 Baht

Website: www.บุญส่ง.ไทย

By Teacher Bunsong Phumban

Chamnan Samakki Witaya School

2ND RUNNER-UP AWARDED
a plaque and 10,000 Baht

Website: www.ชมชญา.ไทย

by Teacher Chayapa Leewan

Bang Pa-in School. "Rachanukroh 1"

Activities of THNIC Academy

4. BGP Deployment Workshop

Date: May 17 - 19, 2023,
at Carlton Hotel, Sukhumvit, Bangkok
Training Topics:
1) Interior Routing Protocols including IS-IS
2) Border Gateway Protocol (BGP)
3) How to Scale BGP
4) How to Deploy IBGP and EBGP
5) Route Filtering
6) Implementing BGP Policies for Traffic Engineering
7) BGP Best Practices, including Aggregation

5. Internet Technology Activities under the Thailand Universal Acceptance Local Initiative Project, funded by ICANN

Workshop on Setting up an Email Server with EAI Support on Ubuntu Operating System

Date: January 7, 2023

The training was conducted for staff and students of the Faculty of Computer Science at Rajamangala University of Technology Tawan-ok

Workshop on Setting up an Email Server with EAI Support on Ubuntu Operating System

Date: April 28, 2023

At Software Park

Activities of THNIC Academy

UA Day seminar on "Building an Identity Online: Liberating from Online Platforms"

Date: March 28, 2023

UA Day seminar on 'Building an Identity Online: Liberating from Online Platforms' was held to present information on creating an online identity to entrepreneurs from various perspectives. The event was organized by the THNIC Foundation in collaboration with the Digital Economy Promotion Agency (depa) and the Thai Webmaster and Online Media Association, supported by the UASG. It took place at the depa's Meeting Room, 7th floor.

UA Day: Workshop on Setting up an Email Server with EAI Support

Date: March 28, 2023

A Workshop on Setting up an Email Server with EAI Support was conducted. The participants included professionals in system maintenance and software development, as well as students interested in new technologies. The event was held at The Quarter Hotel Ladprao, Hillcrest Room, 5th floor.

Workshop on Setting up an Email Server with EAI Support on Ubuntu Operating System

Date: November 11, 2023

The training was provided for staff and students of the Faculty of Computer Engineering at Thammasat University.