Department of Education
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AN ROINN Oideachais
MÂNNYSTRIE O Lear

Chuig: Príomhoidí agus Boird Gobharnóirí i ngach scoil dheontaschúnta

18 Meán Fómhair 2014

A Phríomhoide, a chara

Ós rud é go bhfuil sé de fhreagracht ar gach scoil leas daltaí a chosaint agus a chur chun cinn, tá mé ag scríobh chugat maidir leis an tsoláthar TFC i scoileanna.

Beidh gach scoil dheontaschúnta aistrithe chuig na seirbhísí úra de chuid C2k faoi Mheán Fómhair 2014 agus dar leis an Roinn go bhfuil sé tráthúil anois a iarraidh, sa chás go mbeadh an dara líne ghutháin neamh-C2k atá á húsáid faoi choinne leathanbhanda agus/nó gréasán neamh-C2k atá ceangailte den idirlíon in úsáid sa scoil agat, go ndéanfá **athbhreithniú práinneach criticiúil** ar an tsoláthar neamh-C2k seo.

Measann an Roinn gur cheart go bhfágfadh soláthar na seirbhísí úra seo go mbainfear den ghá nó go bhfaighfear réitithe ar fad den ghá a bheadh ag scoil ar bith an dara líne/gréasán a bheith in úsáid aici.

Cuirtear i gcuimhne do scoileanna go bhfuil an ríomhshábháilteacht agus cosaint na bpáistí barrthábhachtach agus **ní hé amháin go bhféadfadh sé go mbeadh acmhainní luachmhara á gcur amú ag scoileanna ar rud éigin atá ar fáil saor in aisce tríd an tseirbhís C2k, ach d'fhéadfadh sé chomh maith go mbeadh siad ag dul sa sean ar bhonn dochosanta, gan ghá.** Tagann freagracht bhreise lena leithéid de línte agus gréasáin neamh-C2k maidir le bearta sábháilteachta iomchuí agus is mian liom a chur i gcuimhne duit gur féidir comhairle faoi choinne scoileanna a bhfuil an dara líne acu a fháil i gCiorcláin RO 2011/22 agus 2013/25. De bhreis air seo, níor cheart do scoileanna beag is fiú a dhéanamh de na buntáistí a thagann le scagadh slán agus le hóstáil shlán faisnéise sa Néal Oideachais.

Soláthraíonn an Néal Oideachais úr de chuid C2k rochtain shlán 24 uair ar acmhainní ar líne, ó réimse leathan de ghléasanna. Tá nascacht fhíorghasta ag scoileanna leis an néal oideachais mar aon le stóráil sonraí ardtoillte. Ar a bharr sin, tríd an rochtain WiFi, beifear in ann réimse de ghléasanna rochtain tríú páirtí a cheangal de ghréasán na scoile. Cuireann an acmhainneacht bhreisithe seo ar chumas múinteoirí

To: Principals and Boards of Governors of all grant-aided schools

18 September 2014

Dear Principal

As the safeguarding and promotion of the welfare of pupils is the responsibility of each school I am writing to you in relation to ICT provision in schools.

All grant-aided schools will have been transformed on to the new C2k services by September 2014 and the Department considers now is a good time to ask that if your school has a second non C2k provided phone line for broadband use and/or a non C2k network with internet access that you **urgently and critically review** this non C2k provision.

It is the Department's view that the provision of the new services should reduce or indeed remove the need for any school to continue to have a second line/network in place.

Schools are reminded that eSafety, security and the protection of children is paramount and **schools might not only be wasting valuable resources on something that is now freely available via the C2k service, but they may be taking unnecessary and indefensible risks**. Such non C2k provided lines and networks bring with them an additional responsibility for a school in terms of appropriate safety measures and I wish to remind you that advice for schools with a second line can be accessed via DE Circulars 2011/22 and 2013/25. Furthermore, schools should not cast aside the benefits of secure filtering and secure hosting of information in the Education Cloud.

The new C2k Education Cloud provides secure round the clock access to resources online, from a wide range of devices. Schools have superfast connectivity to the education cloud and, high capacity data storage. Furthermore, WiFi access will accommodate the connection of a range of third party access devices into the

agus daltaí tabhairt faoi chomhoibriú ar líne agus éascaíonn sí ionchorprú slán theicneolaíocht na ndaltaí isteach i dtimpeallacht na scoile.

Léirigh suirbhé a rinne C2k i mí Dheireadh Fómhair na bliana 2013, arna iarraidh ag an Roinn, gur thug 82 scoil (18%) as an 449 scoil a d'fhreagair le fios go raibh an dara líne acu faoi choinne úsáid leathanbhanda agus gur thug 118 (26%) le fios go raibh gréasán ar leith neamh-C2k acu.

Seirbhís Idirlín de chuid C2k

Ní mór aird a dhíriú ar roinnt pointí tábhachtacha maidir leis an tseirbhís idirlín de chuid C2k:

- Táthar i ndiaidh luas leathanbhanda na scoile s'agat a ardú agus tá teidlíocht uasghrádú uathoibríoch leathanbhanda ann chuig an chéad leibhéal eile do scoileanna sa chás go bhfágfadh úsáid na scoile go mbeadh gá leis.

Cineál scoile	Méid na scoile	Bandaleithead Tosaigh	Uas-Bhandaleithead
Iar-bhunscoil	500+ dalta	100	200
Iar-bhunscoil	<500 dalta	10	100
Bunscoil	500+ dalta	10	100
Bunscoil	200-499 dalta	4	10
Bunscoil	<200 dalta	4	10

- Le cúig bliana déag anuas, tá polasaí casta scagtha forbartha ag C2k inar ionchorpraíodh eolas áitiúil agus aiseolas ó scoileanna.
- Déantar monatóireacht ar an soláthar idirlín a ndéanann C2k scagadh air faoi choinne feidhmíocht agus infhaighteacht optamach.
- Soláthraítear, leis an tseirbhís scagtha idirlín de chuid C2k, nascacht shlán do gach gléas idir na gléasanna bainistithe de chuid C2k agus aoighléasanna, i.e. gléas nár sholáthair C2k a mbeadh rochtain ceadaithe ag an scoil dó ar ghréasán C2k na scoile.
- Tá comhsheasmhacht d'úsáideoirí ann ó thaobh scagtha de faoi choinne gach gléis. Tá úsáideoirí a théann isteach ar C2k ón bhaile nó i scoil eile clúdaithe faoi pholasaí scagtha C2k atá i bhfeidhm ag an scoil.
- Úsáideann C2k seirbhís scagtha atá aitheanta go hidirnáisiúnta, lena dtagann an rangú is cruinne, is

school network. The enhanced capability allows teachers and pupils to engage in online collaboration as well as allowing the secure incorporation of student-provided technology into the school environment.

A survey carried out by C2k in October 2013, at the request of the Department, indicated that of the 449 schools that replied 82 (18%) indicated that they had a second line for broadband use and 118 (26%) indicated they had a separate non C2k network.

C2k provided internet

There are a number of important points to note regarding the C2k internet service:

- Your school's broadband speed has been increased and there is an automatic broadband upgrade entitlement for individual schools to the next level, should school usage dictate this is required.

School Type	School Size	Starting Bandwidth	Maximum Bandwidth
Post Primary	500+ pupils	100	200
Post Primary	<500 pupils	10	100
Primary	500+ pupils	10	100
Primary	200-499 pupils	4	10
Primary	<200 pupils	4	10

- Over fifteen years C2k has developed a sophisticated filtering policy incorporating local knowledge and feedback from schools.
- The C2k filtered internet is monitored for optimum performance and availability.
- The C2k filtered internet provides secure connectivity for all C2k managed and guest devices, i.e. a non C2k provided device identified by the school as being allowed onto the C2k network.
- There is consistency in filtering for users across all devices. Users who access C2k from home or in another school, are covered by the C2k filtering policy operated by the school.

nuashonraithe agus is cuimsithí de shuíomhanna gréasáin lena chinntiú go gcuirtear bac ar shuíomhanna neamhfhóirsteanacha láithreach bonn.

- Soláthraíonn seirbhís C2k cosaint fíor-ama in éadan bagairtí idirlín.

- Tá innill chuardaigh ag úsáid SSL (Sraith Soicéad Slán) i bhfad níos mó ar na saolta seo. Is ionann SSL agus teicníc tarchurtha teachtaireachtaí agus sonraí criptithe thar an idirlíon agus tig leis an tseirbhís C2k anailís a dhéanamh ar na torthaí cuardaigh criptithe lena chinntiú nach bhfeiceann daltaí mionsamhlacha (pictiúir bheaga shamplacha de chuid suíomhanna gréasáin) neamhfhóirsteanacha.

- Is baill de ghrúpa stiúrtha Chomhadlann Ghníomhach C2k a dhéanann rochtain ar C2k a rialú agus, rud atá tábhachtach, cuirtear cosc ar rochtain neamhúdaraithe ó lasmuigh den scoil.

- I gcás na nasc sreinge agus na nasc gan sreang araon de chuid C2k, déantar rianú iomlán ar gach úsáid agus tá gach úsáid iomlán in-iniúchta.

- Tá pointí rochtana gan sreang de chuid Meru ar fáil do gach scoil trí Ghréasán Oideachais C2k agus faigheann gach scoil croíliúntas de phointí d'fhonn aoi-ghléasanna a nascadh. Le linn buaicuaireanta, nascann scoileanna thart ar 30,000 aoi-ghléas gan sreang gach lá. Tacaíonn Meru le nascadh réimse leathan de ghléasanna soghluaiste lena n-áirítear, ach gan é a bheith teoranta do, déantóirí amhail Apple, Samsung, agus Microsoft. Déantar croí-sholáthar Meru a ríomh de réir rollúcháin agus, leis seo, faigheann bunús na scoileanna clúdach fairsing cé go bhfuil rogha ann an gréasán gan sreang a leathnú. Is féidir pointí breise rochtana Meru a cheannach trí chatalóg C2k/Capita agus bheadh sé seo ní ba chostéifeachtaí ná gréasán WiFi ar leith a chur isteach. Ba cheart do scoileanna teagmháil a dhéanamh le deasc freastail C2k más mian leo an gréasán gan sreang Meru a leathnú.

Tá an gréasán C2k deartha le tacú le húsáid Tabhair Isteach do Ghléas Féin (*Bring Your Own Devices* – BYOD) Mar sin de, tig le daltaí, a bhfuil ainm úsáideora uathúil ag gach duine acu, réimse de ghléasanna a úsáid le rochtain a fháil ar an ghréasán shlán scagtha, ar scoil agus sa bhaile. Tá an tseirbhís seo iomlán in-iniúchta ar iarratas ón Phríomhoide, de réir mar ba ghá.

Leis an réimse de ghléasanna pearsanta atá anois ar an mhargadh, déantar agus déanfar i gcónaí tástáil leanúnach ar ghléasanna lena n-ionchorprú go slán i seirbhís C2k. Tá an tástáil comhoiriúnachta seo tábhachtach agus tá sé inmholta, roimh di líon mór de ghléasanna úra a cheannach, go ndéanfadh scoil an gléas sin a thástáil maidir le rochtain ar ghréasán C2k agus go mbeadh an scoil ag comhoibriú le C2k chun na críche seo. Bíonn C2k, mar eagras earnáil phoiblí, ag

- C2k use an internationally recognised filtering service, which has the most accurate, current and comprehensive classification of websites to ensure prompt immediate blocking of inappropriate sites.

- The C2k service also provides real time protection against Internet based threats.

- Increasingly search engines are using SSL (Secure Socket Layer), an encrypted message and data transmission technique on the internet and the C2k service is capable of analysing the encrypted search results to ensure inappropriate thumbnails, (small sample pictures from a website), are not visible to pupils.

- Access to C2k wireless is controlled by C2k Active Directory security group membership, and importantly, unauthorised access from outside the school is prevented.

- For both wired and wireless C2k internet connections, all usage is fully tracked and auditable.

- The C2k Education Network provides all schools with Meru wireless access points with all schools having a core allowance of points for guest device connectivity. At a peak, schools are connecting in the region of 30,000 guest wireless devices daily. Meru supports the connection of a wide range of mobile devices including but not limited to manufacturers such as Apple, Samsung, and Microsoft. The core Meru provision which is calculated on enrolment does provide extensive coverage for most schools and it does provide an option to extend the wireless network. Additional Meru access points can be purchased via C2k/Capita catalogue and this would be more cost effective than putting in a separate WiFi network. Schools should contact the C2k service desk if they wish to expand the Meru wireless network.

The C2k network has been designed to support the use of Bring Your Own Devices (BYODs). Therefore, pupils with a C2k unique login name can use a range of devices to access the C2k secure and filtered network both in school and at home. This service is fully auditable on request from the Principal as the need arises.

With the range of personal devices now in the marketplace, there is and will continue to be ongoing testing on devices to incorporate them

obair le réimse de sholáthróirí agus de ghléasanna.

Tá roinnt scoileanna i ndiaidh fiosrúcháin a dhéanamh i dtaca le teicneolaíochtaí scáthánaithe scáileán trí C2k, Apple TV mar shampla, a tástáladh ar bhonn píolótach i mí an Mheithimh. I ndiaidh na dtástálacha seo, táthar i ndiaidh Apple TV a chur ar fáil d'lar-Bhunscoileanna ón tseachtain dar tús an 8 Meán Fómhair agus beidh bunscoileanna in ann é a fháil, i dtosach, ach é a iarraidh. Tá sé tábhachtach go dtabharfadh scoileanna dá n-aire nár dearadh gach feidhmchlár nó Aip atá ar fáil faoi choinne gléasanna pearsanta le go n-oibreodh siad laistigh de ghréasán ollscála gnóthais agus, dá réir, nach dtig le C2k ráthaíocht uilíoch a thabhairt go n-oibreoidh gach aip.

Na Meáin Shóisialta

De bhreis air seo, cuirfear ar chumas scoileanna leis an tseirbhís úr rochtain ar shuíomhanna meán sóisialta agus ar shuíomhanna sruthaithe a bhainistiú. Is forbairt bhreise ar an pholasaí a bhí i bhfeidhm roimhe atá anseo, rud a thabharfas deis do scoileanna rochtain a bheith acu ar shuíomhanna meán sóisialta agus sruthaithe amhail Facebook, Twitter agus iPlayer sa chás go mbeadh siad ag iarraidh a leithéid a úsáid faoi choinne teagaisc agus foghlama. De bhreis air seo, tig le scoileanna smacht méadaithe a ghlacadh chucu féin ar a bpolasaí scagtha féin, más mian leo, trí chlárú le rochtain scagtha tarmligthe de chuid C2k agus tríd an oiliúint iomchuí a fháil.

Faoi dheireadh, d'fhonn slándáil optamach TFC a chinntiú, ba cheart d'fhoireann agus do dhaltaí uile na scoile seirbhís r-phoist C2k a úsáid faoi choinne gach gnó scoile. Is é seo an líne oifigiúil chumarsáide agus ní mór d'úsáideoirí bainistiú réamhghníomhach a dhéanamh ar a mbosca poist lena chinntiú nach n-éiríonn sé lán agus, dá réir, díchumasaithe.

Leanfaidh ciorclán ón Roinn an litir seo roimh dheireadh na scoilbhliana 2014/15.

Is mise le meas

Sharon

SHARON LAWLOR
Ceann na Foirne Tacaíochta Curaclaim

securely onto the C2k service. This compatibility testing is important and it is advisable that prior to purchasing large numbers of new devices, a school tests the device for C2k network access and work with C2k in this regard. C2k as a public sector organisation works across a range of suppliers and devices.

A number of schools have enquired about screen mirroring technologies via C2k, for example Apple TV which was piloted in June. Following the pilot, Apple TV has been made available to Post Primary schools from week commencing 8 September with deployment in Primary schools to be enabled initially on a request basis. It is important to be aware that not all personal device Applications (Apps) are designed by suppliers to work within a large scale enterprise network and therefore it is outside C2k control to provide an ultimate guarantee that all apps will work.

Social Media

In addition, the new service allows schools to manage access to social media sites and streaming media sites. This is a further development to the previous policy and it will give schools the opportunity to access social media and streaming media sites such as Facebook, Twitter and iPlayer should they wish to utilise these for teaching and learning. Schools can further select to take enhanced control of their filtering policy by signing up to C2k delegated filtering access and taking appropriate training.

Finally, to ensure optimum ICT security, all school staff and students should use their C2k email for all school business. This is the official line of communication and users need to proactively manage their mailboxes to ensure that they do not become full and disabled.

This letter will be followed up by a Departmental circular before the end of the 2014/15 school year.

Yours sincerely

Sharon

SHARON LAWLOR
Head of Curriculum Support Team